DATE 02/19/2007

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000025542

APPLICANT BECKY DUGAN PHONE 752-8653

ADDRESS PO BOX 815 LAKE CITY FL 32056

OWNER LONNIE & TAMMIE JOHNS PHONE 755-0282

ADDRESS 657 SE ROSSI DR LAKE CITY FL 32025

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY 100 EAST, R 245-A, L ROSSI DR, JOB IS 1/4 MILE ON THE RIGHT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 131400.00

HEATED FLOOR AREA 2628.00 TOTAL AREA 3494.00 HEIGHT 24.00 STORIES 1

FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 12-4S-17-08332-082 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
		CBC054575	Rebecca Dugan	
EXISTING	07-00107N	JH	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

TERMITE TREATMENT INCLUDED

Check # or Cash 25166

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ date/app. by | Foundation _____ date/app. by | Monolithic _____ date/app. by

Under slab rough-in plumbing _____ date/app. by | Slab _____ date/app. by | Sheathing/Nailing _____ date/app. by

Framing _____ date/app. by | Rough-in plumbing above slab and below wood floor _____ date/app. by

Electrical rough-in _____ date/app. by | Heat & Air Duct _____ date/app. by | Peri. beam (Lintel) _____ date/app. by

Permanent power _____ date/app. by | C.O. Final _____ date/app. by | Culvert _____ date/app. by

M/H tie downs, blocking, electricity and plumbing _____ date/app. by | Pool _____ date/app. by

Reconnection _____ date/app. by | Pump pole _____ date/app. by | Utility Pole _____ date/app. by

M/H Pole _____ date/app. by | Travel Trailer _____ date/app. by | Re-roof _____ date/app. by

BUILDING PERMIT FEE $ 660.00 CERTIFICATION FEE $ 17.47 SURCHARGE FEE $ 17.47

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 769.94

INSPECTORS OFFICE L. H CLERKS OFFICE CH

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

elect 25166

Columbia County Building Permit Application

For Office Use Only Application # 0702-02 Date Received 2/1 By TW Permit # 25542

Application Approved by - Zoning Official BLK Date 06.02.07 Plans Examiner OK JTH Date 2-5-06

Flood Zone X Development Permit NA Zoning A-3 Land Use Plan Map Category A-3

Comments

☐ NOC ☑ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Bryan Zechert (Zechert Signature) Fax 758-8920

Address PO Box 815 Lake City, FL 32056 Phone 752-8653

Owners Name Lonnie & Tammie Johns Phone 755-0282

911 Address 657 SE Rossi Dr., Lake City, FL 32025

Contractors Name Bryan Zecher Construction, Inc. Phone 752-8653

Address PO Box 815 Lake City, FL 32056

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Teena Ruffo / Mark Disosway

Mortgage Lenders Name & Address Columbia County Bank

Circle the correct power company - (FL Power & Light) - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 13-3S-17-12-45-17-08333-082 (see legal description) Estimated Cost of Construction 257,000

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Take SR 100 East to CR 254A and turn Right. Go 1½ miles and turn Left onto Rossi Drive. Job site is ¼ mile on the Left.

Type of Construction Framing - STD Number of Existing Dwellings on Property 0

Total Acreage 5 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 135' Side 305' Side 75' Rear 137'

Total Building Height 24' Number of Stories 1 Heated Floor Area 2628 SF TOTAL 3494 Roof Pitch 8/12 & 4/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Authorized Person by Notarized Letter

Contractor Signature

Contractors License Number CBC054575

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 1st day of February 20 07.

Personally known ✓ or Produced Identification ____

Notary Signature

REBECCA DUGAN
MY COMMISSION #DD452939
EXPIRES: JUL 20, 2009
Bonded through 1st State Insurance

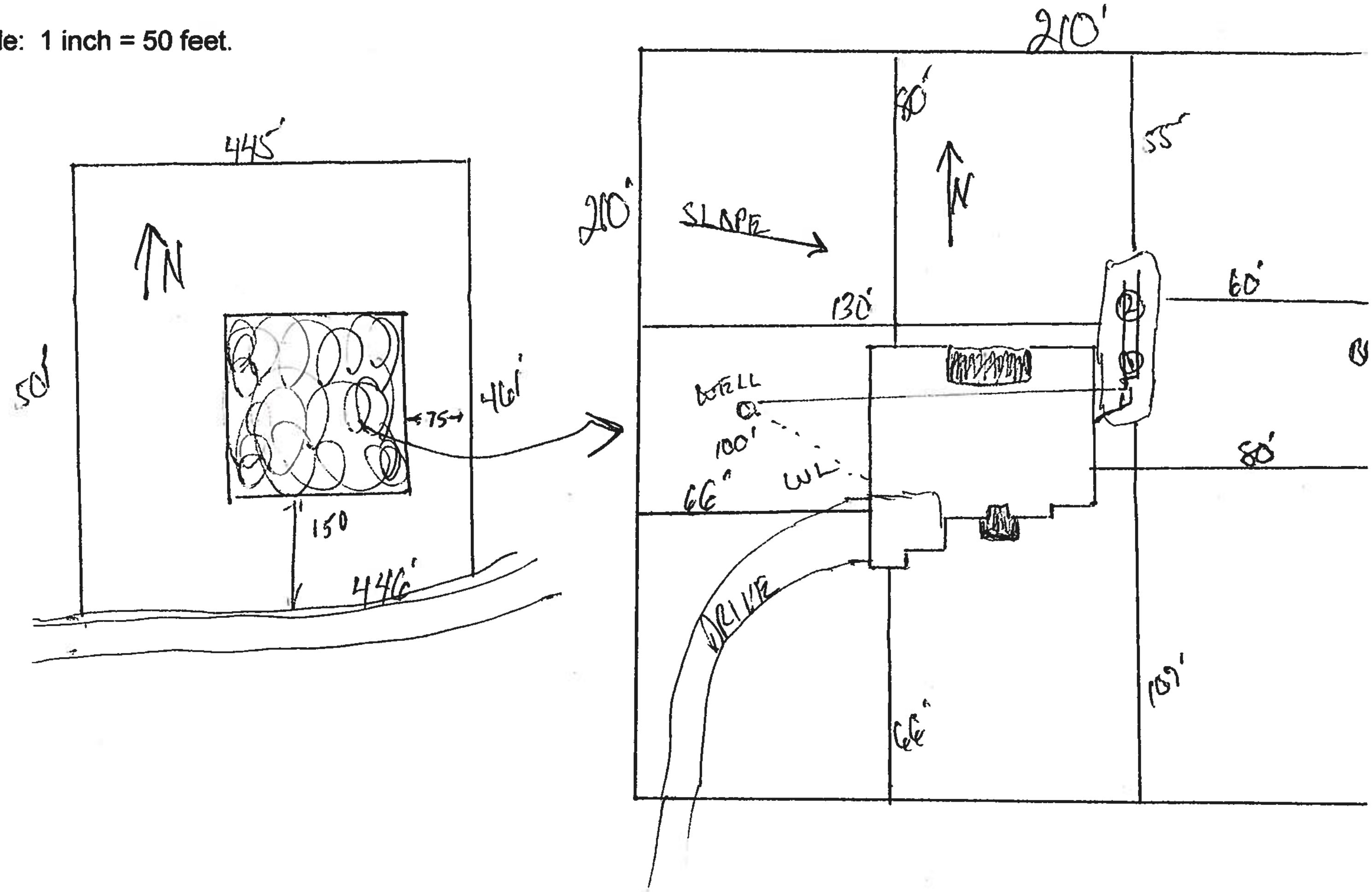
(Revised Sept. 2006)

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 07-00107N

---------------------------- PART II - SITEPLAN ----------------------------

Scale: 1 inch = 50 feet.



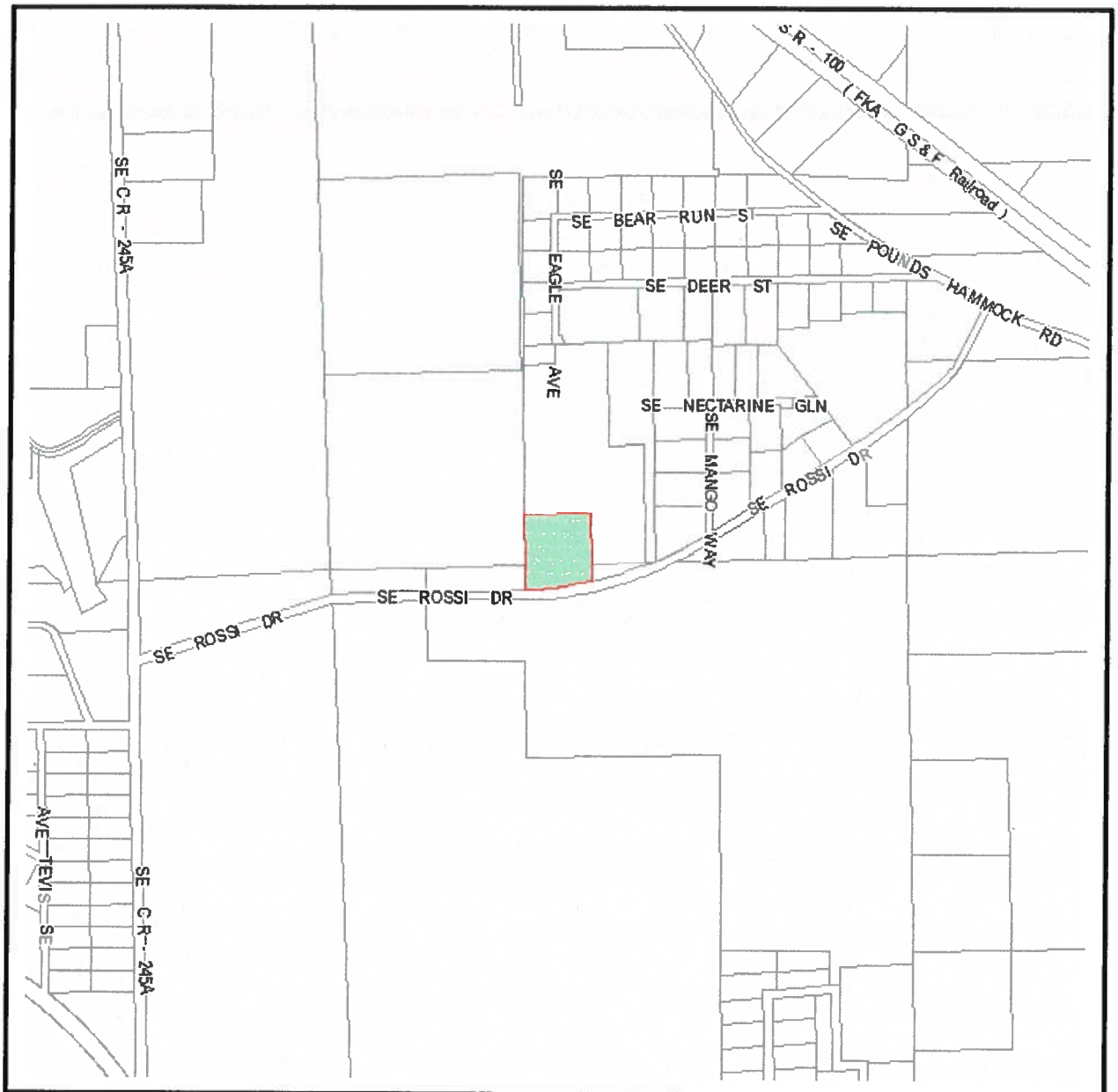
Notes: 1 of 5 Acres

Site Plan submitted by: [signature] MASTER CONTRACTOR

Plan Approved ✓ Not Approved_____ Date 2-9-07

By [signature] Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

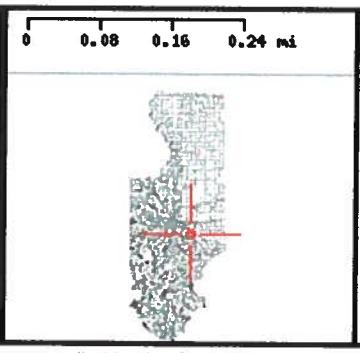


Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 12-4S-17-08332-082 - NO AG ACRE (009900)

Name:	JOHNS LONNIE R JR & TAMMIE R	LandVal	$26,050.00
Site:		BldgVal	$0.00
Mail:	657 SE ROSSI DRIVE LAKE CITY, FL 32025	ApprVal	$26,050.00
		JustVal	$26,050.00
Sales Info	10/26/2006 $25,000.00V / U	Assd	$26,050.00
		Exmpt	$0.00
		Taxable	$26,050.00



This information, GIS Map Updated: 2/5/2007, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No 2502-0525
(exp. 10/31/2005)

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise.

Section 1: General information (Treating Company information)

Company Name: **Florida Pest Control & Co.**

Company Address: **536 SE Baya Dr** City: **Lake City** State: **Fl** Zip **32025**

Company Business License No. **3460** Company Phone No. **386-752-1703**

FHA/VA Case No. (if any) ____

Section 2: Builder Information

Company Name ____ Phone No. ____

Section 3: Property Information

Location of Structure (s) Treated (Street Address or Legal Description, City, State and Zip) ____

Type of Construction (More than one box may be checked) ☐ Slab ☐ Basement ☐ Crawl ☐ Other ____

Approximate Depth of Footing: Outside ____ Inside ____ Type of Fill ____

Section 4: Treatment Information

Date(s) of Treatment ____

Brand Name of Product(s) Used **Bora-Care**

EPA Registration No. **64405-1**

Approximate Final Mix Solution % **1.0**

Approximate Size of Treatment Area: Sq. ft. ____ Linear ft. ____ Linear ft. of Masonry Voids ____

Approximate Total Gallons of Solution Applied ____

Was treatment completed on exterior? ☐ Yes ☐ No

Service Agreement Available? ☐ Yes ☐ No

Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) ____

Comments ____

Name of Applicator(s) ____

Certification No. (if required by State law) ____

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature _____ Date _____

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. 18 U.S.C. 1001, 1010, 1012; 31 U.S.C. 3729,3802)

Form NPCA-99-B may still be used

form **HUD-NPCA-99-B** (04/2003)

FILE COPY

#2 5542

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(REPAIR/6-427 - A5)

This truss is repaired to stub 3.5" off of the raised heel side as shown.

Refer to drawing HCUSR487 07012012 for plates and other data not given here.

Repair(s) must comply with Alpine designs & specifications

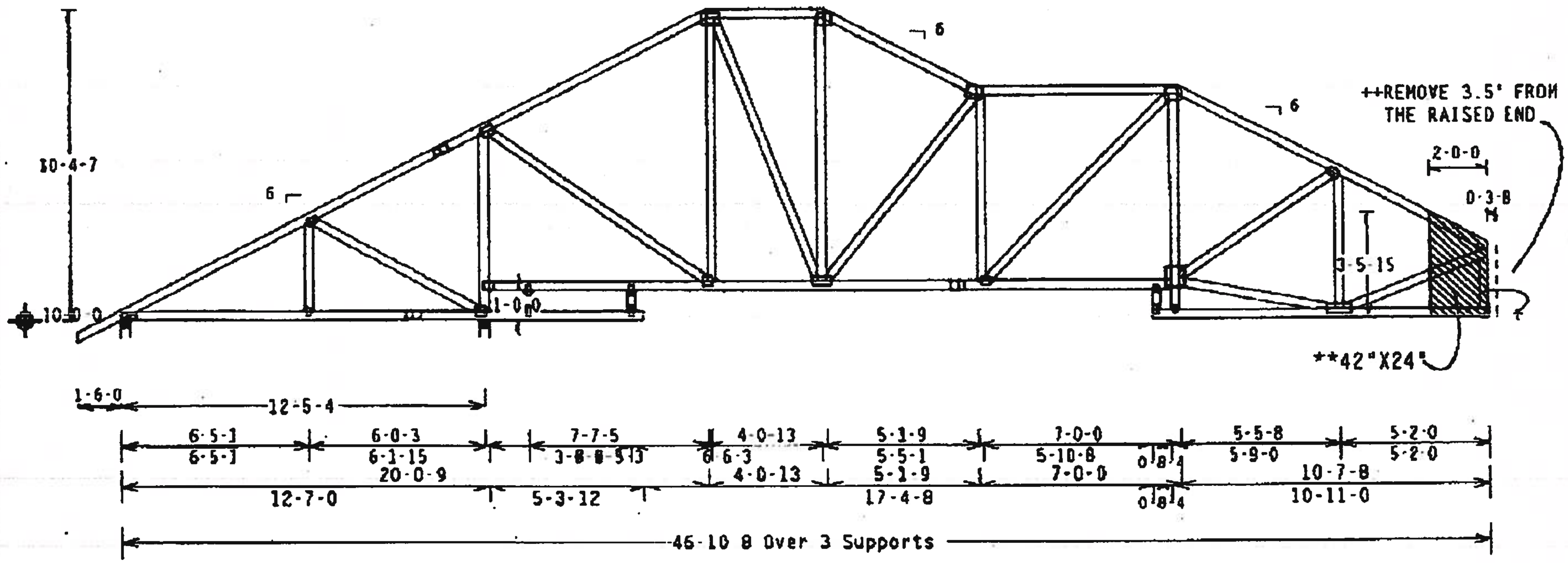
Shore Truss and any supported spans in proper position as repair is being made.

THIS REPAIR CAN, ALSO, BE APPLIED TO THE FOLLOWING TRUSS(ES):
TRUSS A4, DRW# HCUSR487 07012030.
TRUSS A6, DRW# HCUSR487 07012038.
TRUSS A7, DRW# HCUSR487 07012023.

\+ FIELD APPLIED 2X4 SP #2 (OR BETTER) NEW END VERTICAL WEB. CUT TO FIT TIGHT.

** (2) NEW 1/2"X(SIZE SHOWN) C-D EXT APA 32/16 SHEATHING (PLYWOOD OR OSB) ATTACH ONE GUSSET TO EACH FACE OF THE TRUSS WITH 0.113"X2.0" NAILS SPACED 1.5" OC. THROUGHOUT ALL MEMBERS, WITHOUT SPLITTING THE LUMBER.
NOTE: GUSSETS MAY BE NOTCHED AROUND THE HANGER BEARING.

++ USE A CARBIDE TIP SAW BLADE TO CAREFULLY REMOVE UNWANTED PORTION OF TRUSS REMAINING PORTIONS OF TRUSS AND ALPINE PLATES MUST REMAIN INTACT & FREE FROM DAMAGE.



R-438 U-180 W-3.5" R-2163 U-197 W-3.5" R-1360 U-180

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24 QTY:1 FL/-/4/-/-/R/F Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

STATE OF FLORIDA

TC LL	20.0 PSF	REF R8228- 66607
TC DL	10.0 PSF	DATE 05/10/07
BC DL	10.0 PSF	DRW HCUSR8228 07130022
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 208261 REV
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T7782287Z01

Inst:200602836 3 Date:12/01/2006 Time:13:19
Doc Stamp-Deed : 175.00
DC,P.DeWitt Cason,Columbia County B:1103 P:1696

WARRANTY DEED

This Warranty Deed made and executed the 26TH day of October A.D. 2006, by **BRADLEY N. DICKS AND BETSY S. DICKS, HIS WIFE,** hereinafter called the grantor, to **LONNIE R. JOHNS, JR. AND TAMMIE R. JOHNS, HIS WIFE,** Whose post office address is 657 SE ROSSI DRIVE, LAKE CITY, FL 32025, hereinafter called the grantee:

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for the consideration of the sum of $ 10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

TOWNSHIP 4 SOUTH, RANGE 17 EAST, SECTIONS 13 & 24

Commence at the SW corner of the SE ¼ of the SW ¼ of Section 13, Township 4 South, Range 17 East, Columbia County, Florida and run N 87°55'20" E along the South line of Section 13 a distance of 13.37 feet to the POINT OF BEGINNING; thence N 01°39'42" W along a line parallel to the West line of the SE ¼ of the SW ¼ of Section 13 a distance of 342.67 feet; thence N 88°20'18" E a distance of 445.03 feet; thence S 01°39'42" E a distance of 339.44 feet to a point on the North line of Section 24; thence continue S 01°39'42" E a distance of 122.54 feet to a point on the Northerly right-of-way line of SE Rossi Drive, said point being a point on a curve concave to the NW having a radius of 2261.83 feet and a central angle of 10°32'40", thence Southwesterly along the arc of said curve, being said Northerly right-of-way line of SE Rossi Drive, a distance of 416.26 feet to the point of tangency of said curve; thence S 88°01'12" W still along said Northerly right-of-way line of SE Rossi Drive a distance of 30.14 feet; thence N 02°05'33" W along a line parallel to the West line of the NE ¼ of the NW ¼ of Section 24 a distance of 159.98 feet to the POINT OF BEGINNING. Containing 5.00 acres, more or less.

Together with all the tenements, hereditaments and appurtenances thereto belong or in any-wise appertaining.

To Have and to Hold, the same in fee simple forever.

And the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple: that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

In Witness Whereof, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Nanci Nettles
Signature of witness
Nanci Nettles

Bill Wallin
Signature of witness
Bill Wallin

Bradley N. Dicks
BRADLEY N. DICKS

Betsy S. Dicks
BETSY S. DICKS

State of Florida
County of Columbia

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, personally appeared Bradley N. Dicks and Betsy S. Dicks, who are personally known to me to be the persons described in and who executed the fdregoing instrument, who was not required to furnish identification, and they acknowledged before me that they executed the same and who did not take an oath.

WITNESS my hand and official seal in the County and State last aforesaid this 26th day of October, A.D. 2006

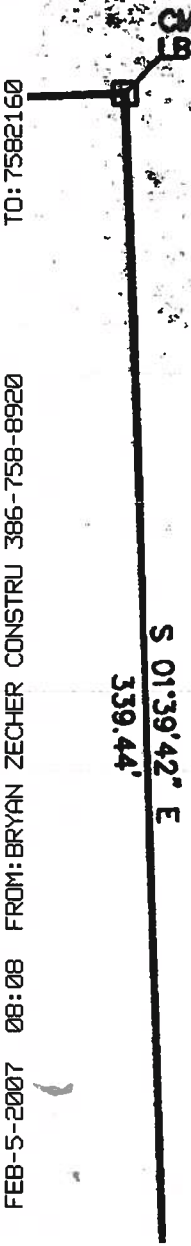
Nanci Nettles
Notary Public, State of Florida

NANCI NETTLES
MY COMMISSION EXPIRES
December 28, 2009
#DD 486836
Bonded thru
Notary Public Underwriters
NOTARY PUBLIC STATE OF FLORIDA

This instrument prepared by: Bradley N. Dicks
Address: P.O. Box 513 Lake City, FL 32056

BOUNDARY SURVEY

IN SECTIONS 12 & 13
TOWNSHIP 4 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA



DESCRIPTION:

COMMENCE at the Southwest corner of the Southeast 1/4 of the Southwest 1/4 of Section 12, Township 4 South, Range 17 East, Columbia County, Florida and run North 87°55'20" East along the South line of Section 12 a distance of 13.37 feet to the POINT OF BEGINNING; thence North 01°39'42" West along a line parallel to the West line of the Southeast 1/4 of the Southwest 1/4 of Section 12 a distance of 342.67 feet; thence North 88°20'18" East a distance of 445.03 feet; thence South 01°39'42" East a distance of 339.44 feet to a point on the North line of Section 13; thence continue South 01°39'42" East a distance of 122.54 feet to a point on the Northerly Right-of-Way line of SE Rossi Drive, said point being a point on a curve concave to the Northwest having a radius of 2261.83 feet and a central angle of 10°32'40"; thence Southwesterly along the arc of said curve, being said Northerly Right-of-Way line of SE Rossi Drive, a distance of 416.26 feet to the point of tangency of said curve; thence South 88°01'12" West still along said Northerly Right-of-Way line of SE Rossi Drive a distance of 30.14 feet; thence North 02°05'33" West along a line parallel to the West line of the Northeast 1/4 of the Northwest 1/4 of Section 13 a distance of 159.98 feet to the POINT OF BEGINNING. Containing 5.00 acres, more or less.

BOUNDARY SURVEY

IN SECTIONS 13 & 24
TOWNSHIP 4 SOUTH, RANGE 17 EAST
COLUMBIA COUNTY, FLORIDA

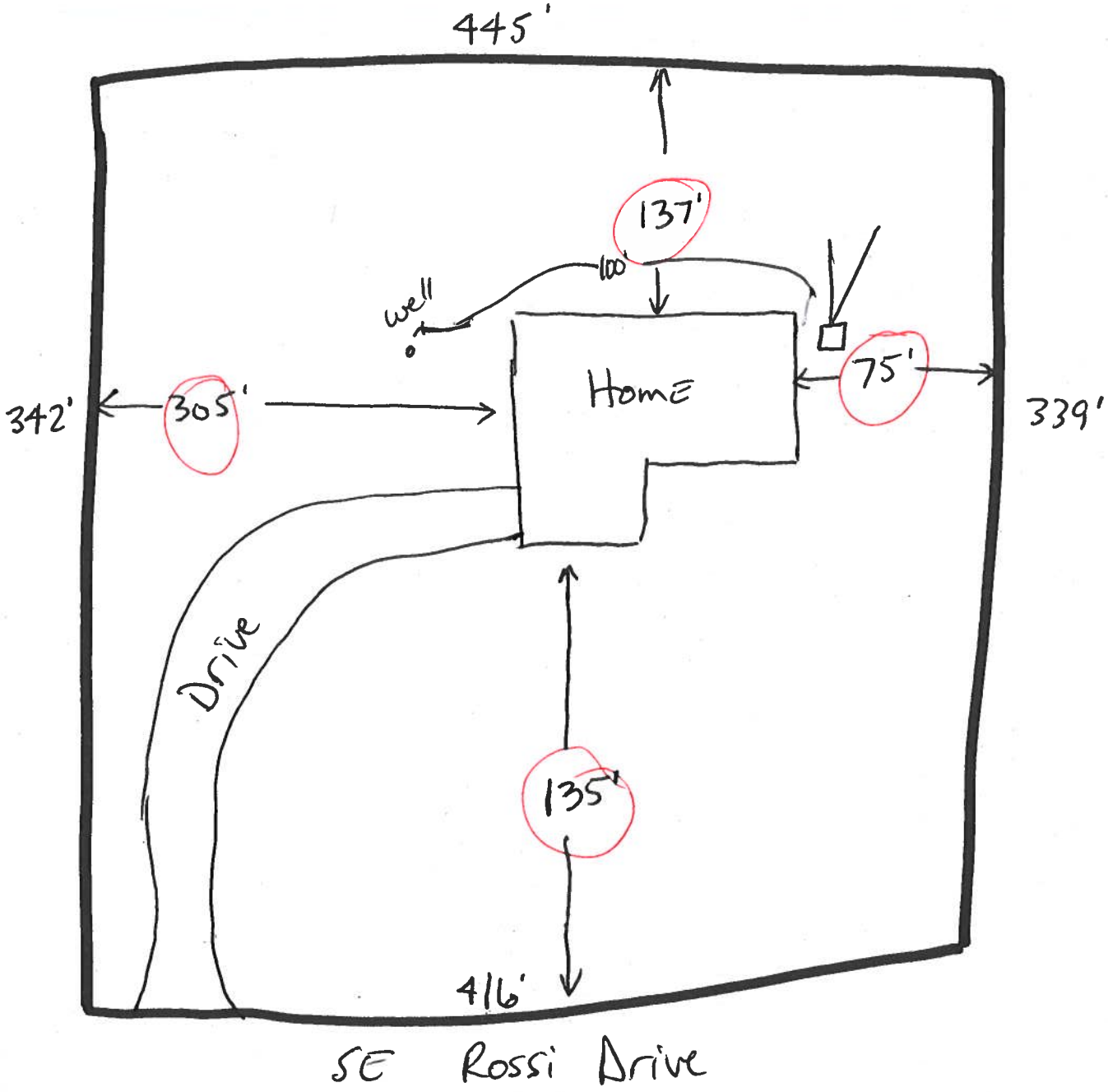
CMS
LB 7042

S 01°39'42" E
339.44'

DESCRIPTION:

COMMENCE at the Southwest corner of the Southeast 1/4 of the Southwest 1/4 of Section 13, Township 4 South, Range 17 East, Columbia County, Florida and run North 87°55'20" East along the South line of Section 13 a distance of 13.37 feet to the POINT OF BEGINNING; thence North 01°39'42" West along a line parallel to the West line of the Southeast 1/4 of the Southwest 1/4 of Section 13 a distance of 342.67 feet; thence North 88°20'18" East a distance of 445.03 feet; thence South 01°39'42" East a distance of 339.44 feet to a point on the North line of Section 24; thence continue South 01°39'42" East a distance of 122.54 feet to a point on the Northerly Right-of-Way line of SE Rossi Drive, said point being a point on a curve concave to the Northwest having a radius of 2261.83 feet and a central angle of 10°32'40"; thence Southwesterly along the arc of said curve, being said Northerly Right-of-Way line of SE Rossi Drive, a distance of 416.26 feet to the point of tangency of said curve; thence South 88°01'12" West still along said Northerly Right-of-Way line of SE Rossi Drive a distance of 30.14 feet; thence North 02°05'33" West along a line parallel to the West line of the Northeast 1/4 of the Northwest 1/4 of Section 24 a distance of 159.98 feet to the POINT OF BEGINNING. Containing 5.00 acres, more or less.

Proposed site plan
Lonnie/Tammie Johns



911 – 657 SE Rossi Dr
Lake City, FL 32025

HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

Notice of Treatment 12473

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE Baya Ave
City Lake City Phone 752.1703

Site Location: Subdivision Bryan Zecher Const.
Lot # _____ Block# _____ Permit # 25542
Address 657 SE Possi Dr Lake City

Product used	Active Ingredient	% Concentration
☐ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☒ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☒ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	3494	912	8 gals

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

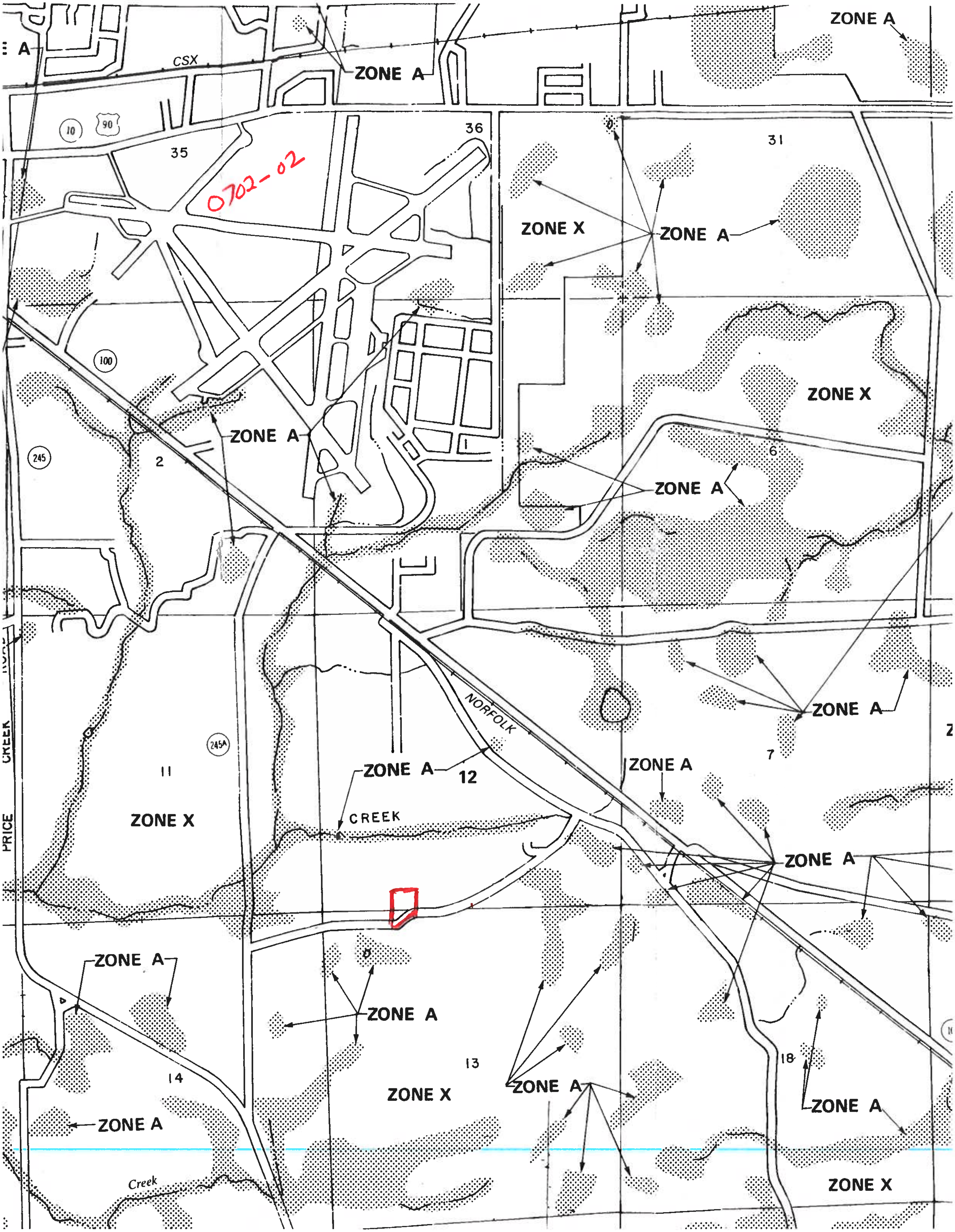
If this notice is for the final exterior treatment, initial this line _____.

5-4-07 Date | 12:20 Time | F299 Print Technician's Name

Remarks: _____

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©


ZONE A
CSX
ZONE A
10
90
35
36
0702-02
31
ZONE X
ZONE A
100
245
2
ZONE A
1
ZONE X
6
ZONE A
NORFOLK
245A
11
ZONE X
ZONE A
12
CREEK
ZONE A
7
ZONE A
ZONE A
PRICE
CREEK
ZONE A
14
ZONE A
ZONE A
13
ZONE X
ZONE A
18
ZONE A
ZONE X
Creek

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**701153ZecherBryan**	Builder:	
Address:		Permitting Office:	Columbia
City, State:	**, FL**	Permit Number:	
Owner:	**Johns, Lonnie & Tammie Residence**	Jurisdiction Number:	221006
Climate Zone:	**North**		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 50.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 13.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2628 ft²	c. N/A	
7. Glass type [1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description Area	13. Heating systems	
(or Single or Double DEFAULT) 7a.	(Dble Default) 286.4 ft²	a. Electric Heat Pump	Cap: 50.0 kBtu/hr
b. SHGC:			HSPF: 7.90
(or Clear or Tint DEFAULT) 7b.	(Clear) 286.4 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 262.0(p) ft	c. N/A	
b. N/A			
c. N/A		14. Hot water systems	
9. Wall types		a. Electric Resistance	Cap: 40.0 gallons
a. Frame, Wood, Exterior	R=13.0, 1606.6 ft²		EF: 0.93
b. Frame, Wood, Adjacent	R=13.0, 228.0 ft²	b. N/A	
c. N/A			
d. N/A		c. Conservation credits	
e. N/A		(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
10. Ceiling types		15. HVAC credits	
a. Under Attic	R=30.0, 2862.0 ft²	(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 210.0 ft		
b. N/A			

Glass/Floor Area: 0.11	Total as-built points: 31500 Total base points: 37569	PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: [signature]

DATE: 1-23-07

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	2628.0	20.04	9479.7	Double, Clear	S	1.5	5.5	30.0	35.87	0.83	895.4
				Double, Clear	W	99.0	7.0	20.0	38.52	0.37	288.6
				Double, Clear	S	12.0	7.0	45.0	35.87	0.46	741.1
				Double, Clear	S	12.0	7.0	10.0	35.87	0.46	164.7
				Double, Clear	S	1.5	1.3	2.7	35.87	0.50	48.7
				Double, Clear	W	1.5	5.5	40.0	38.52	0.90	1382.1
				Double, Clear	W	1.5	1.3	2.7	38.52	0.50	52.1
				Double, Clear	N	1.5	5.5	20.0	19.20	0.93	356.4
				Double, Clear	N	1.5	7.0	48.0	19.20	0.96	880.1
				Double, Clear	N	8.0	10.0	20.0	19.20	0.75	286.2
				Double, Clear	N	8.0	3.0	12.0	19.20	0.60	137.3
				Double, Clear	E	1.5	4.5	16.0	42.06	0.85	570.7
				Double, Clear	E	1.5	5.5	20.0	42.06	0.90	754.0
				As-Built Total:				**286.4**			**6557.5**

WALL TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Adjacent	228.0	0.70	159.6	Frame, Wood, Exterior	13.0	1606.6	1.50	2409.9
Exterior	1606.6	1.70	2731.2	Frame, Wood, Adjacent	13.0	228.0	0.60	136.8
Base Total:	**1834.6**		**2890.8**	**As-Built Total:**		**1834.6**		**2546.7**

DOOR TYPES	Area X	BSPM =	Points	Type	Area X	SPM =	Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	50.0	4.10	205.0
Exterior	70.0	4.10	287.0	Adjacent Insulated	20.0	1.60	32.0
				Exterior Insulated	20.0	4.10	82.0
Base Total:	**90.0**		**319.0**	**As-Built Total:**	**90.0**		**319.0**

CEILING TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM X SCM =	Points
Under Attic	2628.0	1.73	4546.4	Under Attic	30.0	2862.0	1.73 X 1.00	4951.3
Base Total:	**2628.0**		**4546.4**	**As-Built Total:**		**2862.0**		**4951.3**

FLOOR TYPES	Area X	BSPM =	Points	Type	R-Value	Area X	SPM =	Points
Slab	262.0(p)	-37.0	-9694.0	Slab-On-Grade Edge Insulation	0.0	262.0(p	-41.20	-10794.4
Raised	0.0	0.00	0.0					
Base Total:			**-9694.0**	**As-Built Total:**		**262.0**		**-10794.4**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points			
	2628.0	10.21	26831.9		2628.0	10.21	26831.9			
Summer Base Points: 34373.9				**Summer As-Built Points:**						**30411.9**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points	
				(sys 1: Central Unit 50000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				30412	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	9083.8	
34373.9	**0.4266**	**14663.9**		**30411.9**	**1.00**	**1.138**	**0.263**	**1.000**	**9083.8**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , **FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	2628.0	12.74	6026.5	Double, Clear	S	1.5	5.5	30.0	13.30	1.15	457.6	
				Double, Clear	W	99.0	7.0	20.0	20.73	1.24	513.1	
				Double, Clear	S	12.0	7.0	45.0	13.30	3.44	2056.7	
				Double, Clear	S	12.0	7.0	10.0	13.30	3.44	457.0	
				Double, Clear	S	1.5	1.3	2.7	13.30	2.94	105.4	
				Double, Clear	W	1.5	5.5	40.0	20.73	1.03	852.4	
				Double, Clear	W	1.5	1.3	2.7	20.73	1.18	66.1	
				Double, Clear	N	1.5	5.5	20.0	24.58	1.00	493.0	
				Double, Clear	N	1.5	7.0	48.0	24.58	1.00	1181.5	
				Double, Clear	N	8.0	10.0	20.0	24.58	1.02	499.2	
				Double, Clear	N	8.0	3.0	12.0	24.58	1.03	302.9	
				Double, Clear	E	1.5	4.5	16.0	18.79	1.06	318.9	
				Double, Clear	E	1.5	5.5	20.0	18.79	1.04	391.4	
				As-Built Total:				**286.4**			**7695.3**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	228.0	3.60	820.8	Frame, Wood, Exterior	13.0	1606.6	3.40	5462.4
Exterior	1606.6	3.70	5944.4	Frame, Wood, Adjacent	13.0	228.0	3.30	752.4
Base Total:	**1834.6**		**6765.2**	**As-Built Total:**		**1834.6**		**6214.8**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	50.0	8.40	420.0
Exterior	70.0	8.40	588.0	Adjacent Insulated	20.0	8.00	160.0
				Exterior Insulated	20.0	8.40	168.0
Base Total:	**90.0**		**748.0**	**As-Built Total:**	**90.0**		**748.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	2628.0	2.05	5387.4	Under Attic	30.0	2862.0	2.05 X 1.00	5867.1
Base Total:	**2628.0**		**5387.4**	**As-Built Total:**		**2862.0**		**5867.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	262.0(p)	8.9	2331.8	Slab-On-Grade Edge Insulation	0.0	262.0(p	18.80	4925.6
Raised	0.0	0.00	0.0					
Base Total:			**2331.8**	**As-Built Total:**		**262.0**		**4925.6**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	2628.0	-0.59	-1550.5		2628.0	-0.59	-1550.5			
Winter Base Points:			**19708.4**	**Winter As-Built Points:**						**23900.3**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 50000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
				23900.3	1.000	(1.069 x 1.169 x 0.93)	0.432	1.000	11989.6	
19708.4	**0.6274**	**12365.1**		**23900.3**	**1.00**	**1.162**	**0.432**	**1.000**	**11989.6**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL, PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X	Tank Ratio	X Multiplier	X Credit Multiplier	= Total
4		2635.00	10540.0	40.0	0.93	4		1.00	2606.67	1.00	10426.7
				As-Built Total:							**10426.7**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
14664	**12365**	**10540**	**37569**	**9084**	**11990**	**10427**	**31500**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , FL,	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 86.3

The higher the score, the more efficient the home.

Johns, Lonnie & Tammie Residence, , , FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 50.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	4		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	2628 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 286.4 ft²		a. Electric Heat Pump	Cap: 50.0 kBtu/hr
	b. SHGC:				HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 286.4 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 262.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1606.6 ft²			EF: 0.93
	b. Frame, Wood, Adjacent	R=13.0, 228.0 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 2862.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 210.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Residential System Sizing Calculation

Summary

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

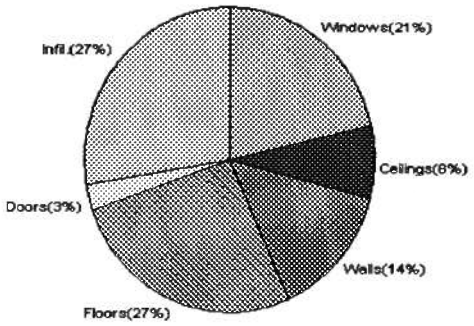
1/23/2007

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M) Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature	33	F	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**42931**	**Btuh**	**Total cooling load calculation**	**36206**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.5	50000	Sensible (SHR = 0.75)	128.6	37500
Heat Pump + Auxiliary(0.0kW)	116.5	50000	Latent	177.5	12500
			Total (Electric Heat Pump)	138.1	50000

WINTER CALCULATIONS

Winter Heating Load (for 2628 sqft)

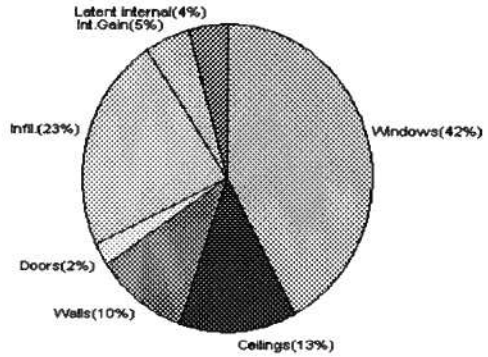
Load component			Load	
Window total	286	sqft	9219	Btuh
Wall total	1835	sqft	6025	Btuh
Door total	90	sqft	1166	Btuh
Ceiling total	2862	sqft	3372	Btuh
Floor total	262	sqft	11439	Btuh
Infiltration	289	cfm	11710	Btuh
Duct loss			0	Btuh
Subtotal			**42931**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**42931**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 2628 sqft)

Load component			Load	
Window total	286	sqft	15236	Btuh
Wall total	1835	sqft	3695	Btuh
Door total	90	sqft	882	Btuh
Ceiling total	2862	sqft	4740	Btuh
Floor total			0	Btuh
Infiltration	149	cfm	2772	Btuh
Internal gain			1840	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**29164**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			5442	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**7042**	**Btuh**
TOTAL HEAT GAIN			**36206**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 1-23-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/23/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
4	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	NW	2.7	32.2	87 Btuh
6	2, Clear, Metal, 0.87	NE	40.0	32.2	1288 Btuh
7	2, Clear, Metal, 0.87	NE	2.7	32.2	87 Btuh
8	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
9	2, Clear, Metal, 0.87	SE	48.0	32.2	1545 Btuh
10	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
11	2, Clear, Metal, 0.87	SE	12.0	32.2	386 Btuh
12	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
13	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
	Window Total		286(sqft)		9219 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1607	3.3	5276 Btuh
2	Frame - Wood - Adj(0.09)	13.0	228	3.3	749 Btuh
	Wall Total		1835		6025 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		50	12.9	648 Btuh
	Door Total		90		1166Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2862	1.2	3372 Btuh
	Ceiling Total		2862		3372Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	262.0 ft(p)	43.7	11439 Btuh
	Floor Total		262		11439 Btuh
			Zone Envelope Subtotal:		31221 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	26280	289.1	11710 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**42931 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

1/23/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	42931 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42931 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

1/23/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	30.0	32.2	966 Btuh
2	2, Clear, Metal, 0.87	NE	20.0	32.2	644 Btuh
3	2, Clear, Metal, 0.87	NW	45.0	32.2	1449 Btuh
4	2, Clear, Metal, 0.87	NW	10.0	32.2	322 Btuh
5	2, Clear, Metal, 0.87	NW	2.7	32.2	87 Btuh
6	2, Clear, Metal, 0.87	NE	40.0	32.2	1288 Btuh
7	2, Clear, Metal, 0.87	NE	2.7	32.2	87 Btuh
8	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
9	2, Clear, Metal, 0.87	SE	48.0	32.2	1545 Btuh
10	2, Clear, Metal, 0.87	SE	20.0	32.2	644 Btuh
11	2, Clear, Metal, 0.87	SE	12.0	32.2	386 Btuh
12	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
13	2, Clear, Metal, 0.87	SW	20.0	32.2	644 Btuh
	Window Total		286(sqft)		9219 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1607	3.3	5276 Btuh
2	Frame - Wood - Adj(0.09)	13.0	228	3.3	749 Btuh
	Wall Total		1835		6025 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		20	12.9	259 Btuh
2	Insulated - Adjacent		20	12.9	259 Btuh
3	Insulated - Exterior		50	12.9	648 Btuh
	Door Total		90		1166Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2862	1.2	3372 Btuh
	Ceiling Total		2862		3372Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	262.0 ft(p)	43.7	11439 Btuh
	Floor Total		262		11439 Btuh
			Zone Envelope Subtotal:		31221 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.66	26280	289.1	11710 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**42931 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

1/23/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	42931 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	42931 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/23/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	30.0	0.0	30.0	29	60	1801 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	7ft.	45.0	0.0	45.0	29	60	2702 Btuh
4	2, Clear, 0.87, None,N,N	NW	12ft.	7ft.	10.0	0.0	10.0	29	60	600 Btuh
5	2, Clear, 0.87, None,N,N	NW	1.5ft.	1.33	2.7	0.0	2.7	29	60	162 Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	40.0	0.0	40.0	29	60	2401 Btuh
7	2, Clear, 0.87, None,N,N	NE	1.5ft.	1.33	2.7	0.0	2.7	29	60	162 Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979 Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft.	7ft.	48.0	12.2	35.8	29	63	2592 Btuh
10	2, Clear, 0.87, None,N,N	SE	8ft.	10ft.	20.0	20.0	0.0	29	63	579 Btuh
11	2, Clear, 0.87, None,N,N	SE	8ft.	3ft.	12.0	12.0	0.0	29	63	348 Btuh
12	2, Clear, 0.87, None,N,N	SW	1.5ft.	4.5ft.	16.0	8.1	7.9	29	63	729 Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979 Btuh
	Window Total				286 (sqft)					15236 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1606.6	2.1	3351 Btuh
2	Frame - Wood - Adj	13.0/0.09	228.0	1.5	344 Btuh
	Wall Total		1835 (sqft)		3695 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	20.0	9.8	196 Btuh
3	Insulated - Exterior	50.0	9.8	490 Btuh
	Door Total	90 (sqft)		882 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2862.0	1.7	4740 Btuh
	Ceiling Total		2862 (sqft)		4740 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	262 (ft(p))	0.0	0 Btuh
	Floor Total		262.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		24552 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	26280	148.9	2772 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	8	X 230 +	0	1840 Btuh

Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**29164 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

1/23/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**29164 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**29164 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**29164 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	5442 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7042 Btuh**
	TOTAL GAIN	**36206 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/23/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	30.0	0.0	30.0	29	60	1801 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	7ft.	20.0	0.0	20.0	29	60	1201 Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	7ft.	45.0	0.0	45.0	29	60	2702 Btuh
4	2, Clear, 0.87, None,N,N	NW	12ft.	7ft.	10.0	0.0	10.0	29	60	600 Btuh
5	2, Clear, 0.87, None,N,N	NW	1.5ft.	1.33	2.7	0.0	2.7	29	60	162 Btuh
6	2, Clear, 0.87, None,N,N	NE	1.5ft.	5.5ft.	40.0	0.0	40.0	29	60	2401 Btuh
7	2, Clear, 0.87, None,N,N	NE	1.5ft.	1.33	2.7	0.0	2.7	29	60	162 Btuh
8	2, Clear, 0.87, None,N,N	SE	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979 Btuh
9	2, Clear, 0.87, None,N,N	SE	1.5ft.	7ft.	48.0	12.2	35.8	29	63	2592 Btuh
10	2, Clear, 0.87, None,N,N	SE	8ft.	10ft.	20.0	20.0	0.0	29	63	579 Btuh
11	2, Clear, 0.87, None,N,N	SE	8ft.	3ft.	12.0	12.0	0.0	29	63	348 Btuh
12	2, Clear, 0.87, None,N,N	SW	1.5ft.	4.5ft.	16.0	8.1	7.9	29	63	729 Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	20.0	8.1	11.9	29	63	979 Btuh
	Window Total				286 (sqft)					15236 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1606.6	2.1	3351 Btuh
2	Frame - Wood - Adj	13.0/0.09	228.0	1.5	344 Btuh
	Wall Total		1835 (sqft)		3695 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Exterior	20.0	9.8	196 Btuh
2	Insulated - Adjacent	20.0	9.8	196 Btuh
3	Insulated - Exterior	50.0	9.8	490 Btuh
	Door Total	90 (sqft)		882 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	2862.0	1.7	4740 Btuh
	Ceiling Total		2862 (sqft)		4740 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	262 (ft(p))	0.0	0 Btuh
	Floor Total		262.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	24552 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.34	26280	148.9	2772 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	8	X 230 +	0	1840 Btuh

Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic) DGM = 0.00	0.0 Btuh
	Sensible Zone Load	**29164 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Johns, Lonnie & Tammie Residence
, FL

Project Title:
701153ZecherBryan

Class 3 Rating
Registration No. 0
Climate: North

1/23/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**29164 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**29164 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**29164 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	5442 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**7042 Btuh**
	TOTAL GAIN	**36206 Btuh**

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)

For Florida residences only

Residential Window Diversity

MidSummer

Johns, Lonnie & Tammie Residence

, FL

Project Title:
701153ZecherBryan

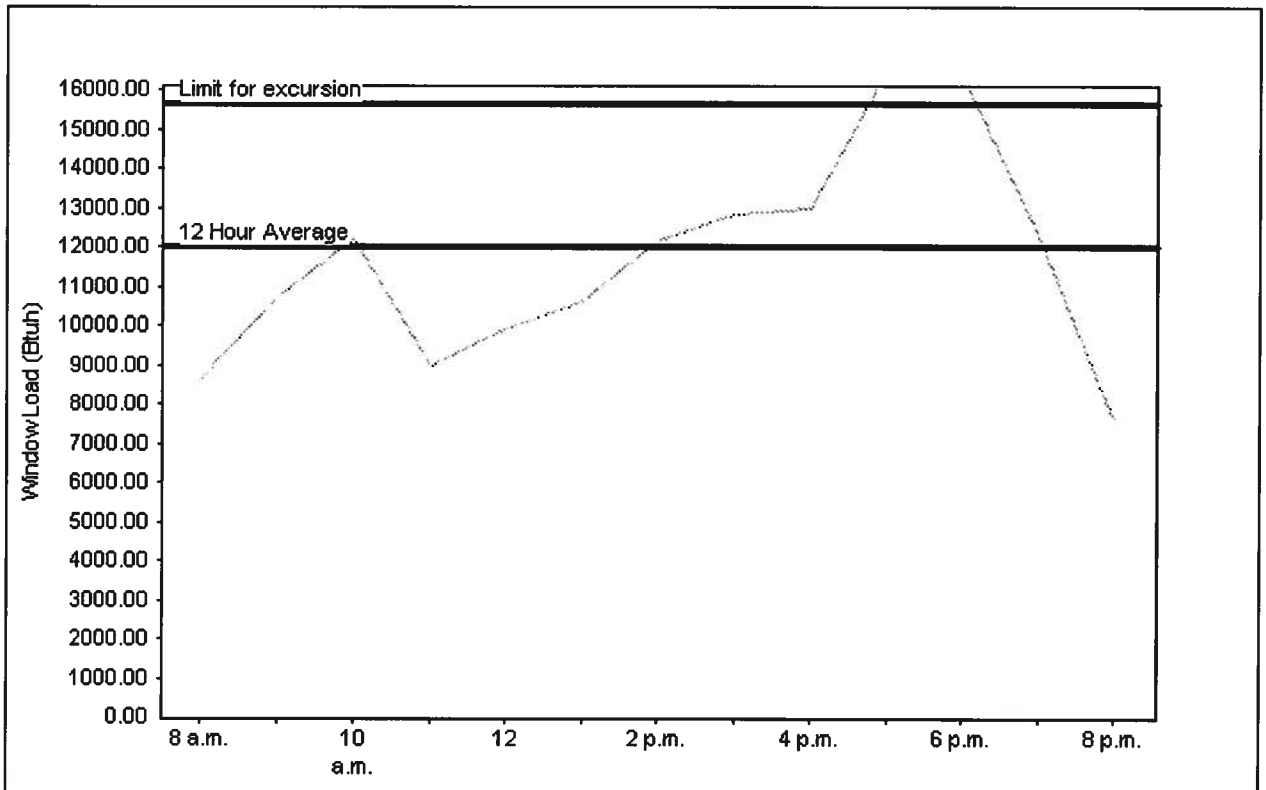
Class 3 Rating
Registration No. 0
Climate: North

1/23/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	12037 Btu
Summer setpoint	75 F	Peak window load for July	16584 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	15648 Btu
Latitude	29 North	Window excursion (July)	936 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 1-23-07

THIS INSTRUMENT WAS PREPARED BY:
TERRY McDAVID 07-62
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Inst:2007005600 Date:03/08/2007 Time:15:15
D.J. DC,P.DeWitt Cason,Columbia County B:1113 P:317

PERMIT NO. 25542

TAX FOLIO NO.:

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

The undersigned hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

1. Description of property:

   SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF.

2. General description of improvement: Construction of Dwelling

3. Owner information:
   a. Name and address: LONNIE R. JOHNS, JR. and TAMMIE R. JOHNS
      657 SE Rossi Drive, Lake City, FL 32025

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: BRYAN ZECHER CONSTRUCTION, INC.
   Post Office Box 815, Lake City, FL 32056

5. Surety n/a
   a. Name and address:
   b. Amount of bond:

6. Lender: COLUMBIA BANK
   173 NW Hillsboro Street
   Lake City, FL 32055

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: NONE

8. In addition to himself, Owner designates Sherri W. Cassidy of Columbia Bank, 173 NW Hillsboro Ave., Lake City, FL 32055 to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). March 8, 2008.

STATE OF FLORIDA
COUNTY OF COLUMBIA

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS
By [signature] Deputy Clerk
Date 03-08-2007

CLERK CIRCUIT COURT COLUMBIA COUNTY, FLORIDA

[signature]
LONNIE R. JOHNS, JR.

[signature]
TAMMIE R. JOHNS

The foregoing instrument was acknowledged before me this 8th day of March, 2007, by LONNIE R. JOHNS, JR. and TAMMIE R. JOHNS, Husband and Wife, who is personally known to me and who did not take an oath.

[signature]
Notary Public
My commission expires:__________

TERRY McDAVID
MY COMMISSION # DD 5
EXPIRES: January 18, 2010
Bonded Thru Notary Public Underwriters

25542

Inst:2007005600 Date:03/08/2007 Time:16:15
DC,P.DeWitt Cason,Columbia County B:1113 P:318

EXHIBIT A

Commence at the Southwest corner of the Southeast ¼ of the Southwest ¼ of Section 12, Township 4 South, Range 17 East, Columbia County, Florida and run North 87 degrees 55 minutes 20 seconds East, along the South line of Section 12, a distance of 13.37 feet to the Point of Beginning, thence North 01 degrees 39 minutes 42 seconds West, along a line parallel to the West line of the Southeast ¼ of the Southwest ¼ of Section 12, a distance of 342.67 feet, thence North 88 degrees 20 minutes 18 seconds East, a distance of 445.03 feet, thence South 01 degrees 39 minutes 42 seconds East, a distance of 339.44 feet to a point on the North line of Section 13, thence continue South 01 degrees 39 minutes 42 seconds East, a distance of 122.54 feet to a point on the Northerly right of way line of SE Rossi Drive, said point being a point on a curve concave to the Northwest having a radius of 2261.83 feet and a central angle of 10 degrees 32 minutes 40 seconds, thence Southwesterly along the arc of said curve, being said Northerly right of way line of Southeast Rossi Drive, a distance of 416.26 feet to the point of tangency of said curve, thence South 88 degrees 01 minutes 12 seconds West, still along said Northerly right of way line of Southeast Rossi Drive, a distance of 30.14 feet, thence North 02 degrees 05 minutes 33 seconds West, along a line parallel to the West line of the Northeast ¼ of the Northwest ¼ of Section 13, a distance of 159.98 feet to the Point of Beginning, being a part of Sections 12 and 13, Township 4 South, Range 17 East, Columbia County, Florida.

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 12-4S-17-08332-082 **Building permit No.** 000025542

Use Classification SFD,UTILITY **Fire:** 5.58

Permit Holder BRYAN ZECHER **Waste:** 16.75

Owner of Building LONNIE & TAMMIE JOHNS **Total:** 22.33

Location: 657 SE ROSSI DRIVE, LAKE CITY, FL

Date: 09/07/2007

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up	N/A		
5. Automatic	N/A		
6. Other	—		
B. WINDOWS			
1. Single hung	Capital / Jordan		FL 675 / FL 1378-R1
2. Horizontal Slider	" "		FL 685 / FL 1384-R1
3. Casement	—		
4. Double Hung	—		
5. Fixed	C / J		FL 681 / FL 1383-R1
6. Awning	—		
7. Pass -through	—		
8. Projected	—		
9. Mullion	—		
10. Wind Breaker	—		
11 Dual Action	—		
12. Other			
C. PANEL WALL			
1. Siding	Hardy Plank		FL 889-R1
2. Soffits	Ashley Aluminum		FL 4968
3. EIFS	—		
4. Storefronts	—		
5. Curtain walls	—		
6. Wall louver	—		
7. Glass block	—		
8. Membrane	—		
9. Greenhouse	—		
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Elk / Certainteed		FL 728-R1 / FL 350-R1
2. Underlayments	Felt		FL 1814
3. Roofing Fasteners	Nails		ROM 3378
4. Non-structural Metal Rf	—		
5. Built-Up Roofing	—		
6. Modified Bitumen	—		
7. Single Ply Roofing Sys	—		
8. Roofing Tiles	—		
9. Roofing Insulation	—		
10. Waterproofing	—		
11. Wood shingles /shakes	—		
12. Roofing Slate	—		

FILE COPY

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T3Y487-Z0112093037

Truss Fabricator:	Anderson Truss Company
Job Identification:	6-427--BRYAN ZECHER JOHNS RES. -- , **
Truss Count:	54
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.24, 7.25.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 32.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 01/12/2007

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

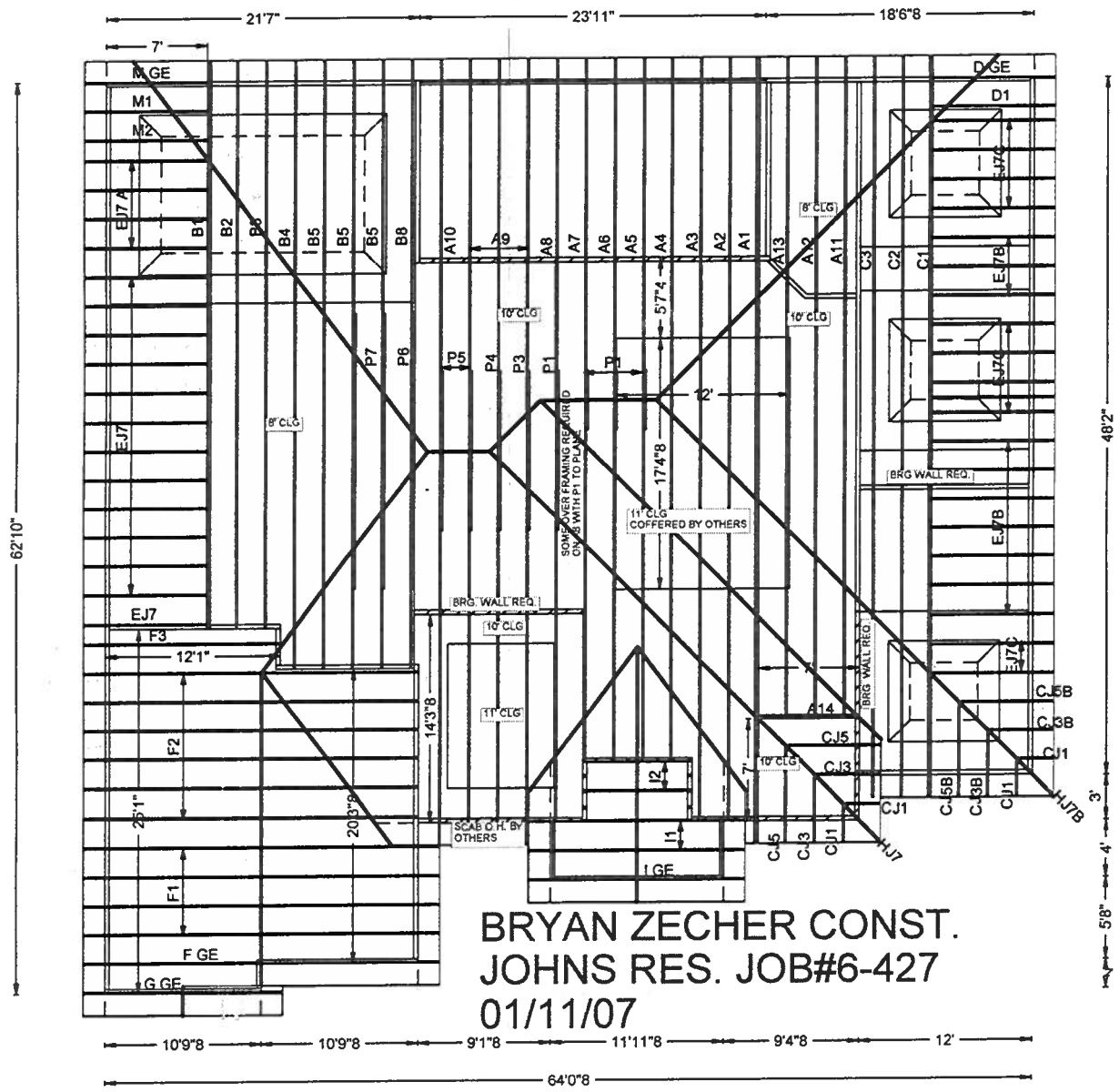
Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Details: BRCLBSUB-BCFILLER-CNBRGBLK-A11015EE-GBLLETIN-PIGBACKA-PIGBACKB-A11030EE-

#	Ref	Description	Drawing#	Date
1	69501	--A11	07012032	01/12/07
2	69502	--A14	07012031	01/12/07
3	69503	--A12	07012036	01/12/07
4	69504	--A13	07012037	01/12/07
5	69505	--A1	07012055	01/12/07
6	69506	--A2	07012056	01/12/07
7	69507	--A3	07012057	01/12/07
8	69508	--A4	07012030	01/12/07
9	69509	--A5	07012012	01/12/07
10	69510	--A6	07012018	01/12/07
11	69511	--A7	07012023	01/12/07
12	69512	--A8	07012058	01/12/07
13	69513	--A10	07012059	01/12/07
14	69514	--A9	07012060	01/12/07
15	69515	--B1	07012007	01/12/07
16	69516	--B2	07012043	01/12/07
17	69517	--B3	07012044	01/12/07
18	69518	--B4	07012045	01/12/07
19	69519	--B5	07012002	01/12/07
20	69520	--B8	07012003	01/12/07
21	69521	--C1	07012061	01/12/07
22	69522	--C3	07012063	01/12/07
23	69523	--C2	07012062	01/12/07
24	69524	--D1	07012011	01/12/07
25	69525	--D GE	07012010	01/12/07
26	69526	--F1	07012027	01/12/07
27	69527	--F2	07012035	01/12/07
28	69528	--F3	07012042	01/12/07
29	69529	--F GE	07012016	01/12/07
30	69530	--G GE	07012001	01/12/07
31	69531	--I1	07012026	01/12/07
32	69532	--I2	07012029	01/12/07
33	69533	--I GE	07012025	01/12/07
34	69534	--EJ7	07012009	01/12/07
35	69535	--EJ7 A	07012008	01/12/07
36	69536	--EJ7B	07012021	01/12/07
37	69537	--EJ7C	07012019	01/12/07
38	69538	--CJ5B	07012014	01/12/07
39	69539	--HJ7B	07012013	01/12/07
40	69540	--CJ3B	07012015	01/12/07
41	69541	--HJ7	07012028	01/12/07
42	69542	--CJ5	07012033	01/12/07
43	69543	--CJ3	07012034	01/12/07
44	69544	--CJ1	07012017	01/12/07
45	69545	--M2	07012006	01/12/07
46	69546	--M1	07012005	01/12/07
47	69547	--M GE	07012004	01/12/07
48	69548	--P1	07012041	01/12/07
49	69549	--P3	07012020	01/12/07
50	69550	--P4	07012024	01/12/07
51	69551	--P5	07012022	01/12/07
52	69552	--P6	07012038	01/12/07
53	69553	--P7	07012039	01/12/07
54	69554	--T54	07012040	01/12/07

FILE COPY



BRYAN ZECHER CONST.
JOHNS RES. JOB#6-427
01/11/07

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

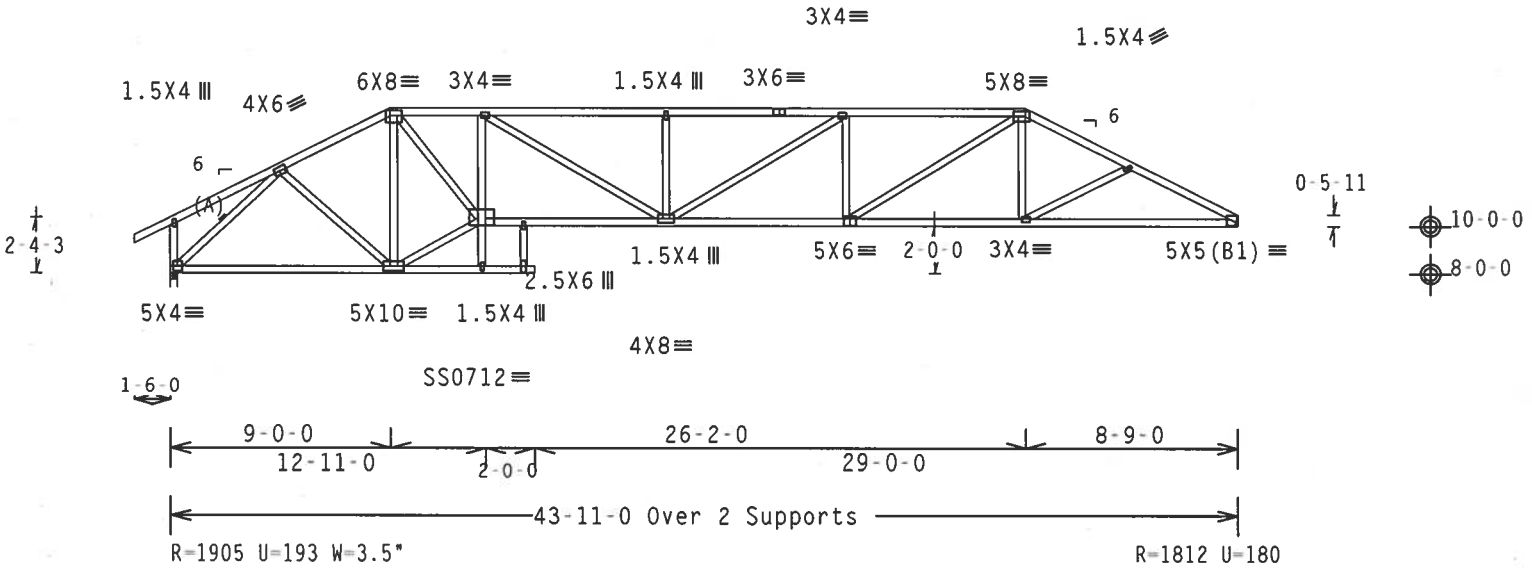
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.14" due to live load and 0.22" due to dead load.

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12,07

TC LL	20.0 PSF	REF	R487-- 69501
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012032
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144909
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A14)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #1 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at 0.00 to 62 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 1812 LB Conc. Load at 1.06, 3.06, 5.06

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

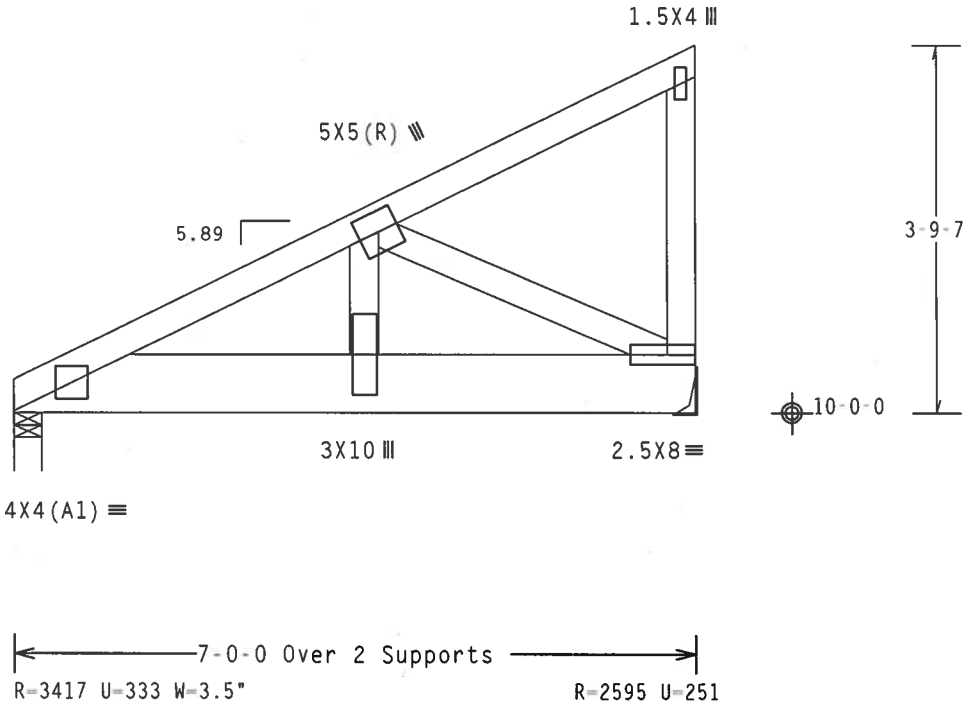
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69502
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012031
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144927
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

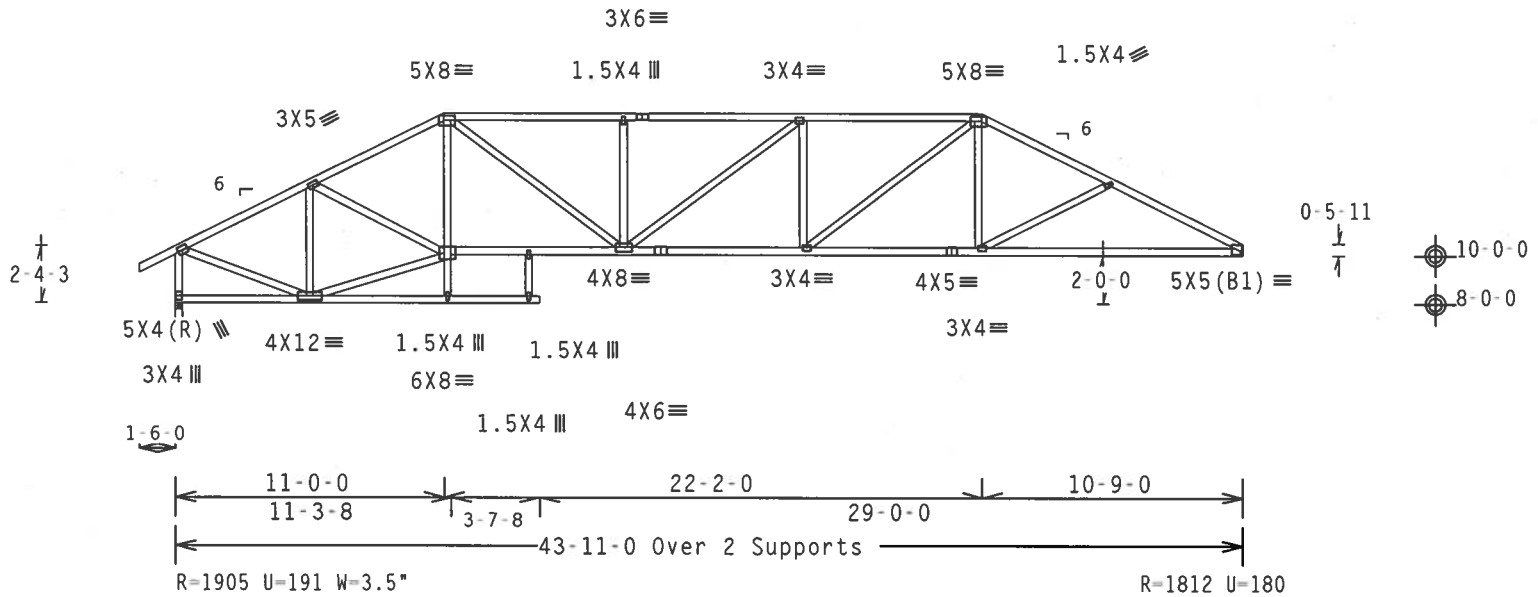
Left end vertical not exposed to wind pressure.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.11" due to live load and 0.17" due to dead load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69503
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012036
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144914
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

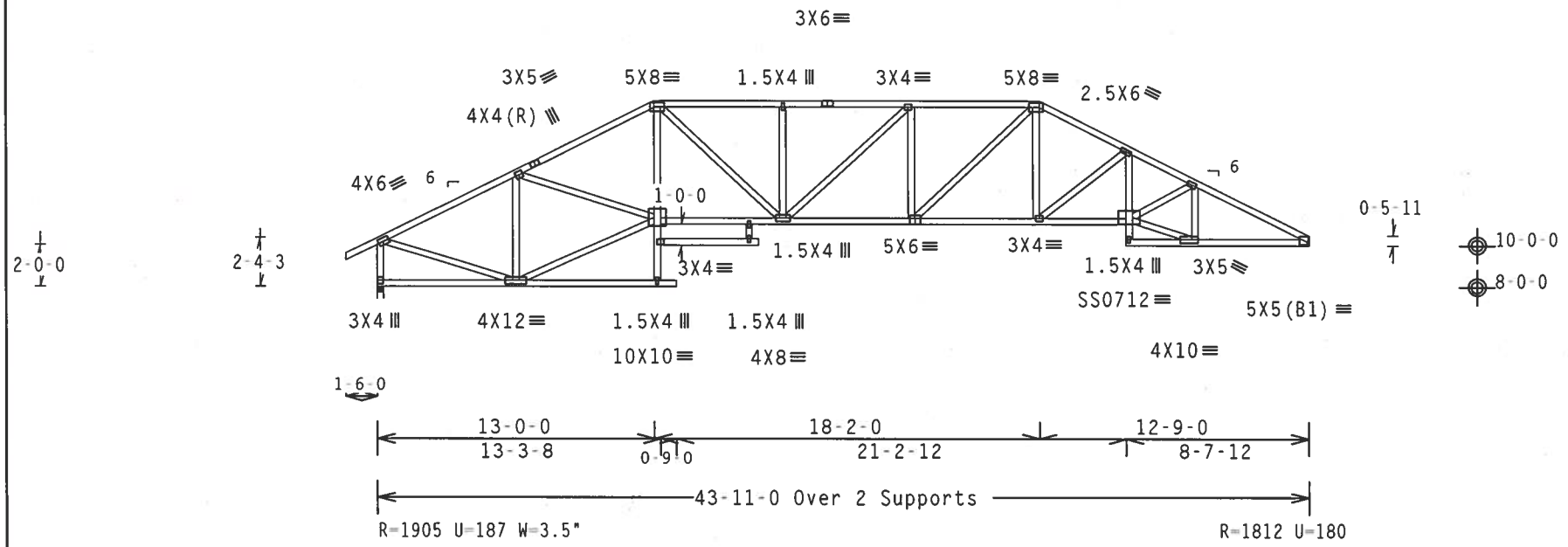
Left end vertical not exposed to wind pressure.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.15" due to live load and 0.24" due to dead load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 562

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69504
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012037
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144924
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A1)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W5, W6, W16 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 62 PLF at -1.50 to 62 PLF at 52.67
BC - From 4 PLF at -1.50 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 51.17
BC - From 4 PLF at 51.17 to 4 PLF at 52.67
TC - 295 LB Conc. Load at 7.00
BC - 326 LB Conc. Load at 7.00
BC - 2595 LB Conc. Load at 7.17

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

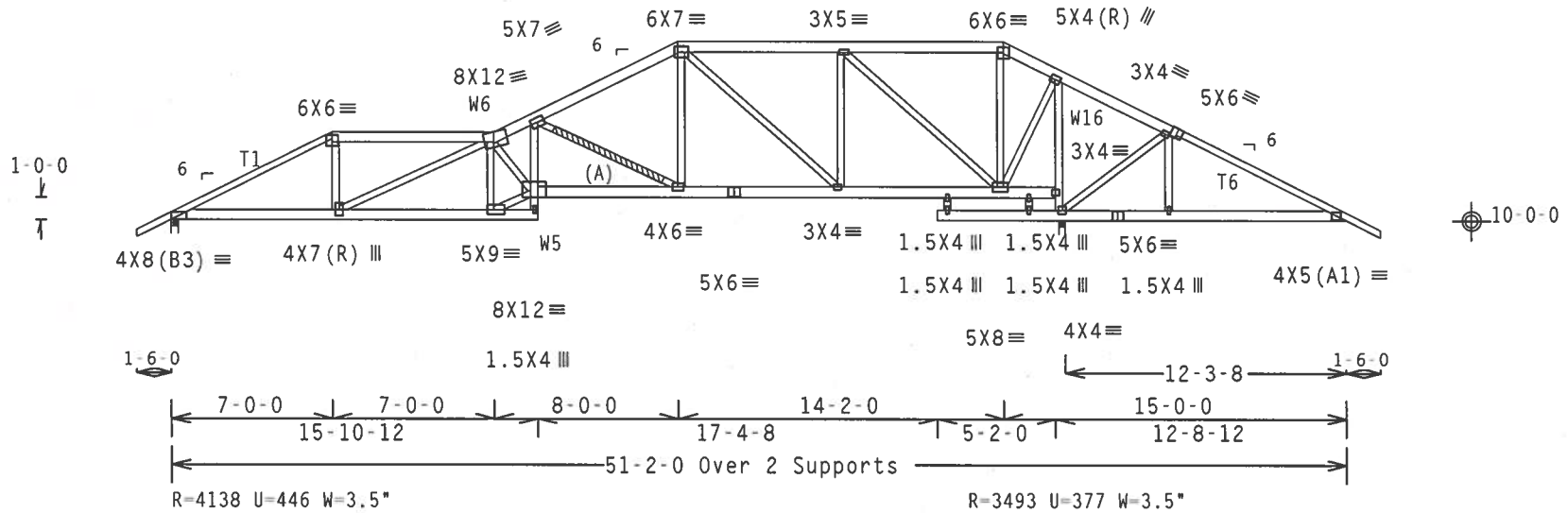
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) SP #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.25.0 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
JAN 12 '07

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 667

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TC LL	20.0 PSF	REF	R487-- 69505
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012055
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	78463 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A2)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W19 2x4 SP #2 Dense:

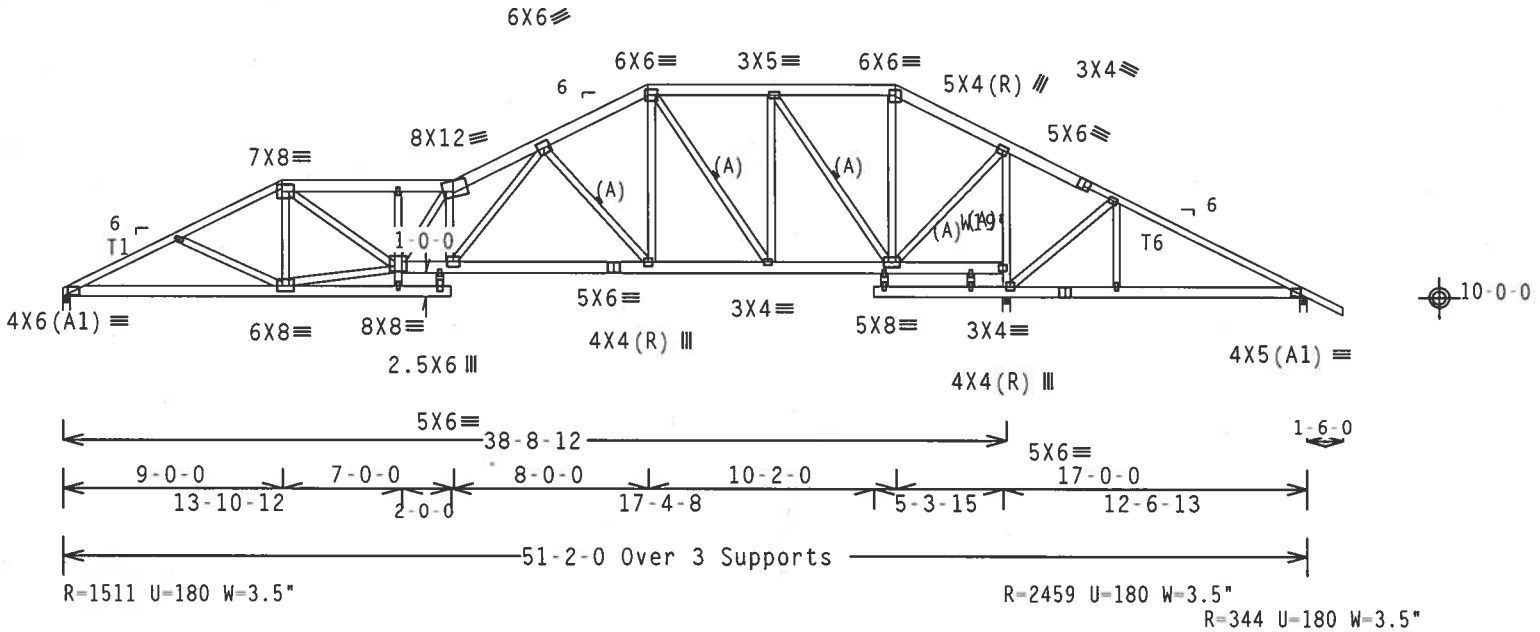
(A) Continuous lateral bracing equally spaced on member.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #562

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69506
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012056
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	145106
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A3)

Top chord 2x6 SP #2 :T1, T6 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W18 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

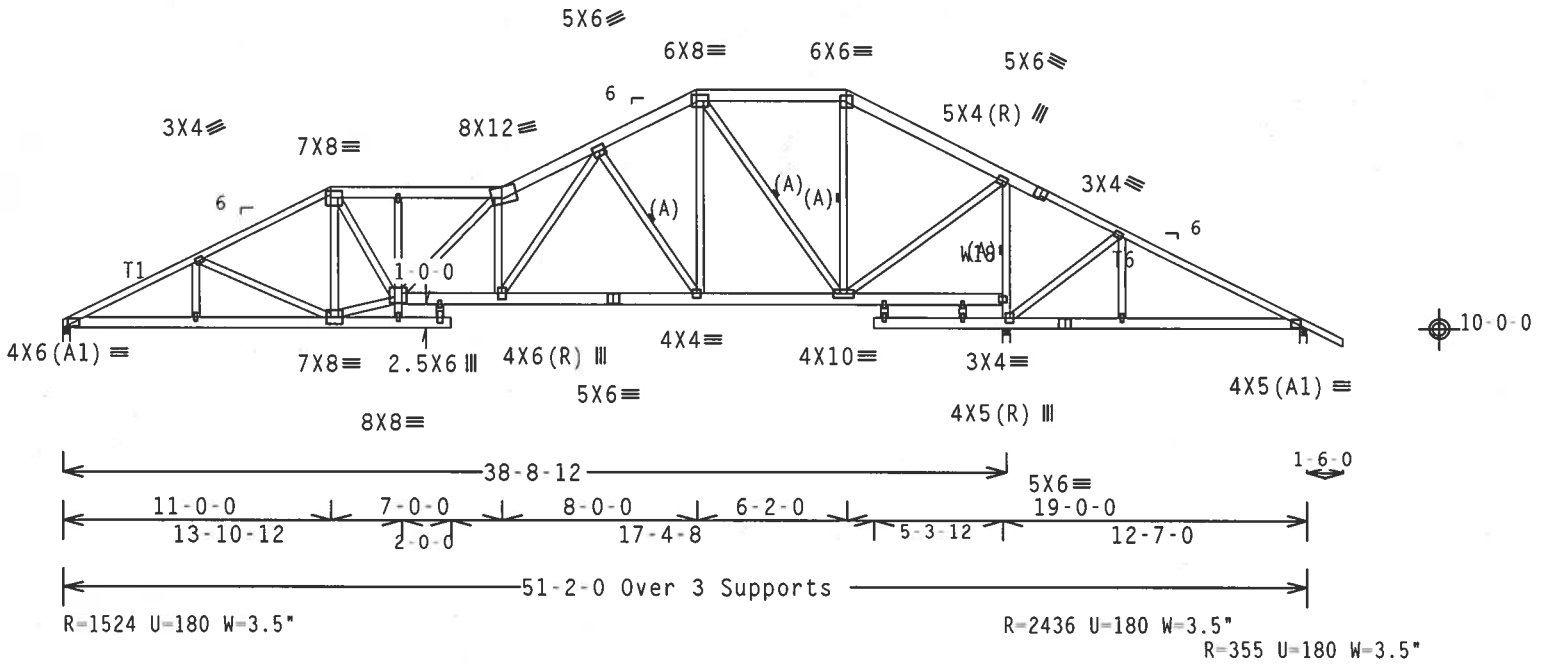
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

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ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #667

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12,'07

TC LL	20.0 PSF	REF R487-- 69507
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012057
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 145108
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

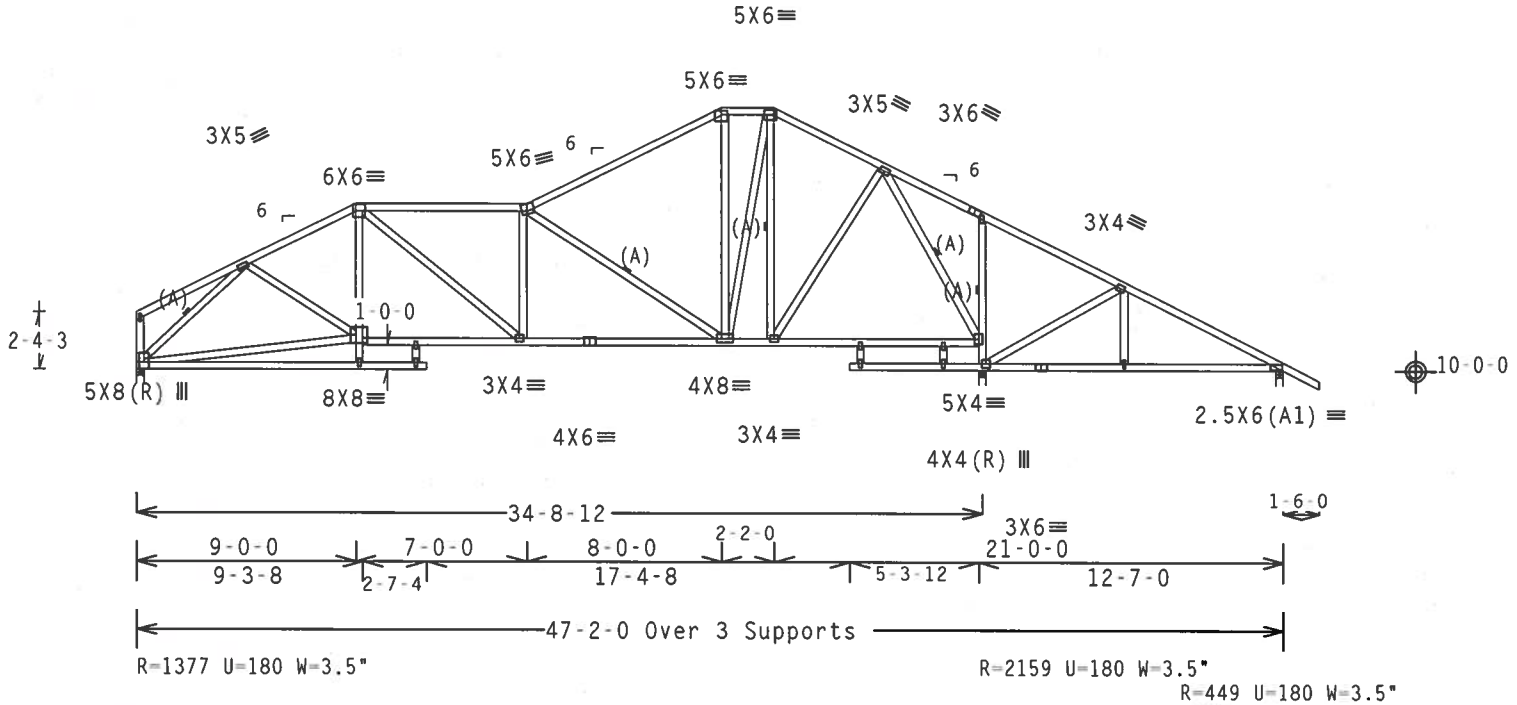
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.22 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

JAN 12 '07

TC LL	20.0 PSF	REF R487-- 69508
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012030
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144993
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

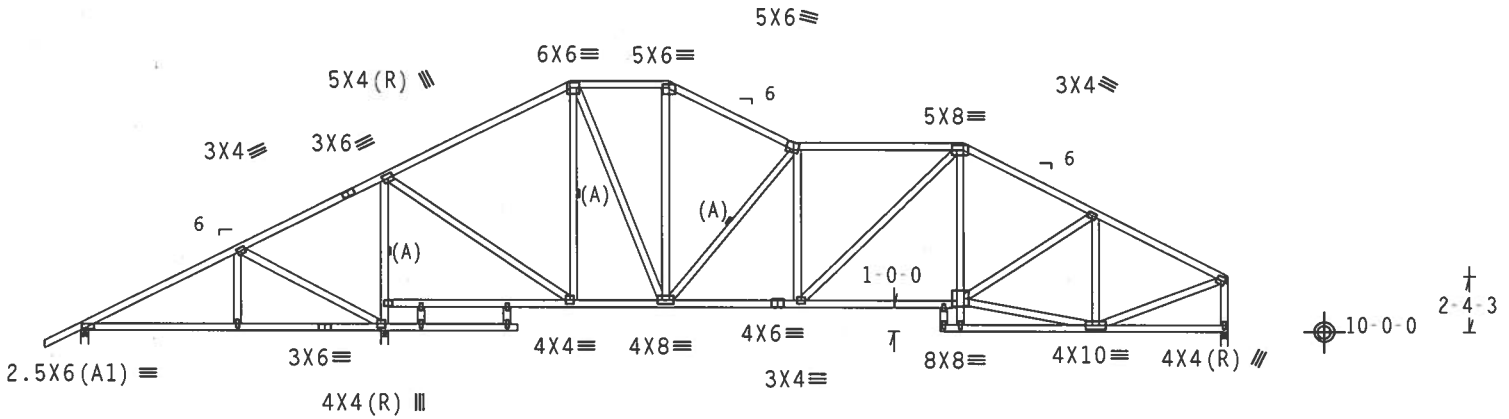
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

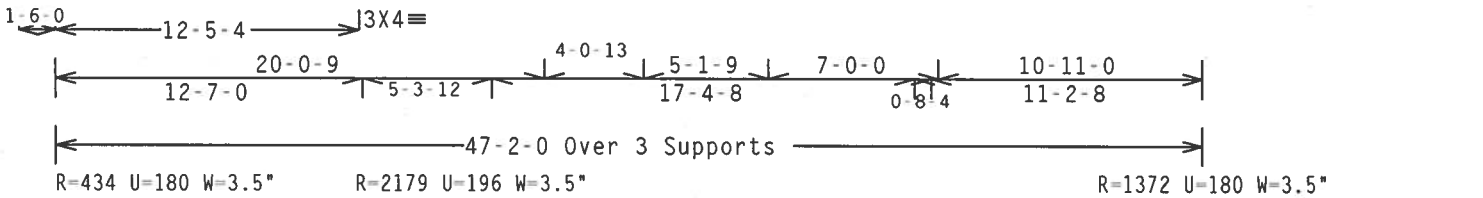
SEE DWGS TCFILLER1106 AND BCFILLER1106 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER
AT 24" O.C,AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A
LATERAL BRACE AT CHORD ENDS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69509
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012012
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144990
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

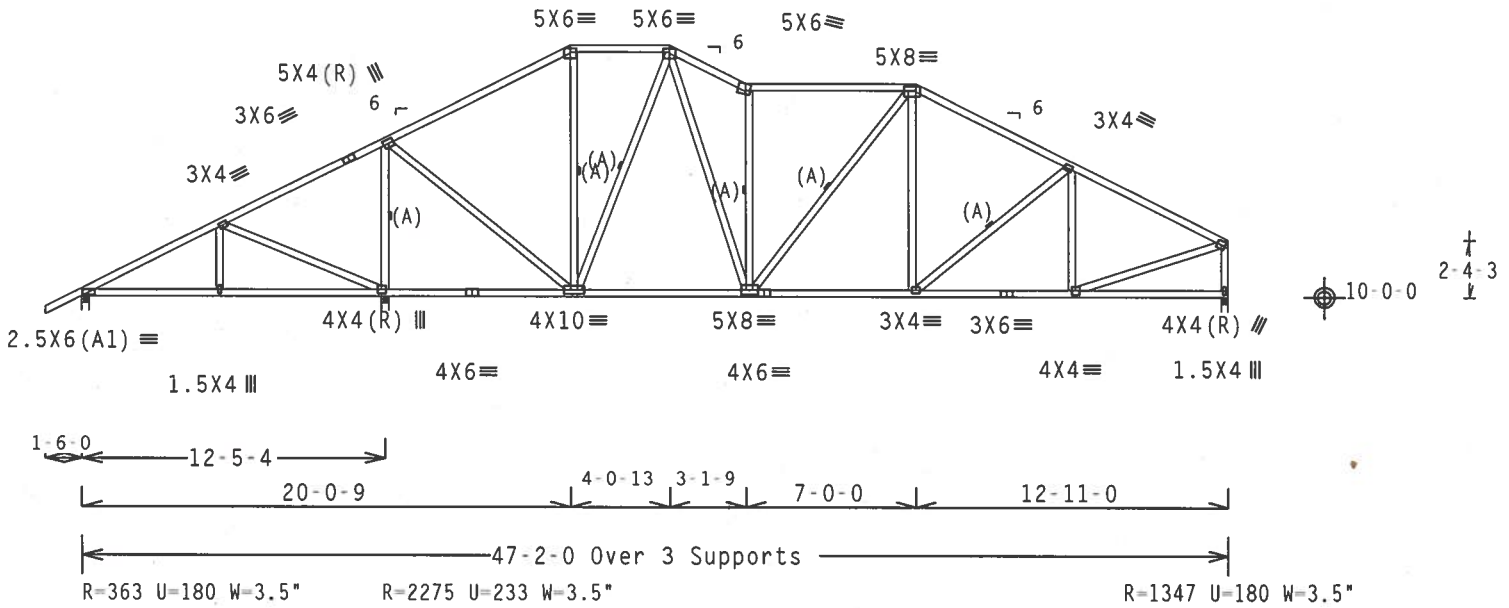
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 69687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69510
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012018
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 145008
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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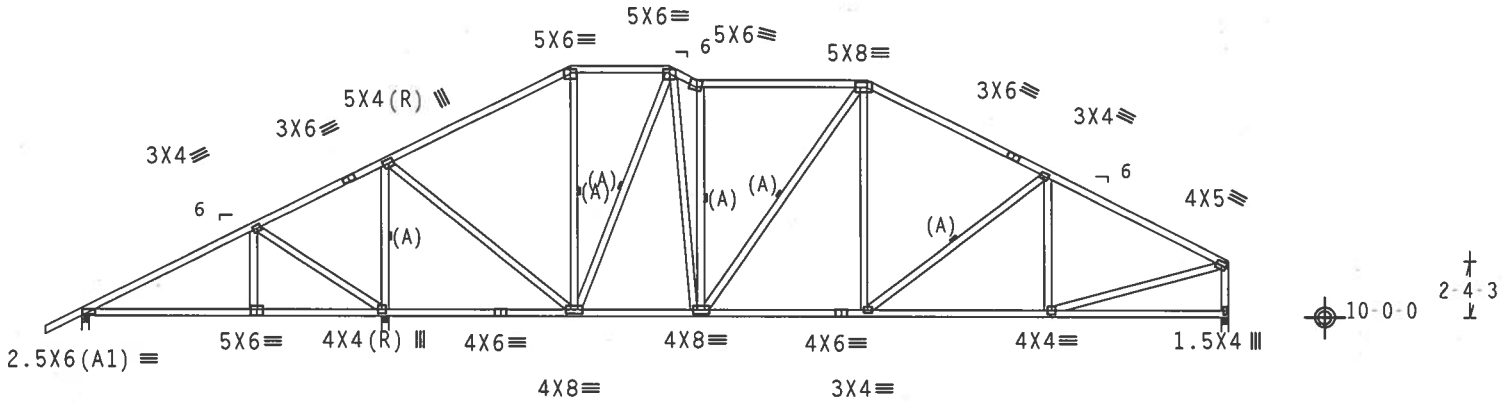

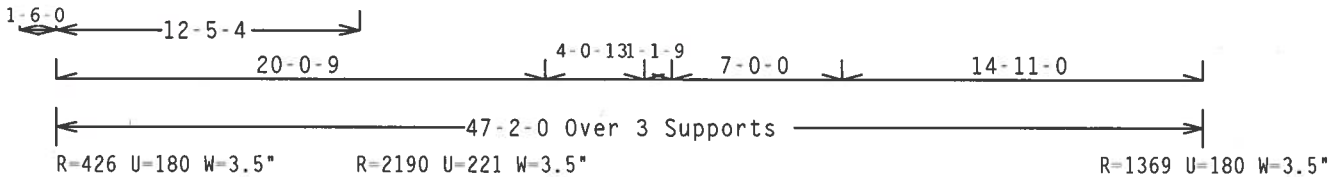

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR B. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69511
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012023
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 145012
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A8)

Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(B) 2x6 SP #3 or better "T" brace. 80% length of web member.
Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member.
Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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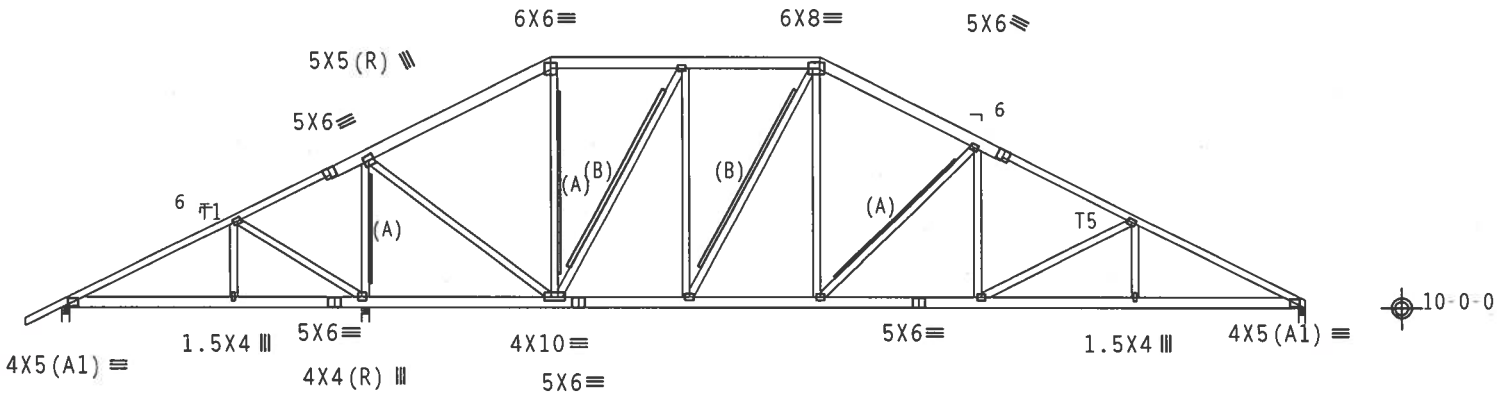

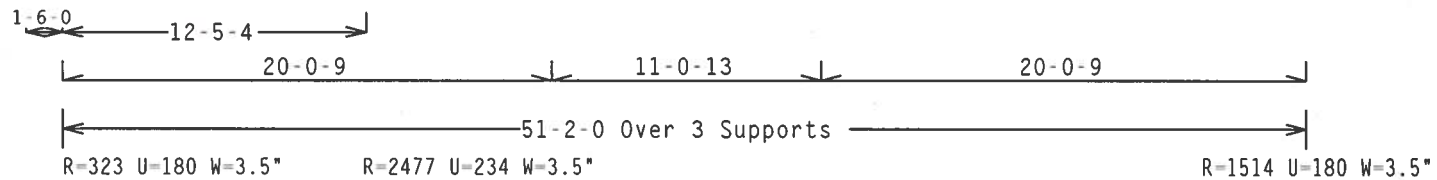

Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 KEY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL. Certific... Authorization ...

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69512
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012058
BC LL	0.0 PSF		HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN-	145122
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - A10)

Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(B) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

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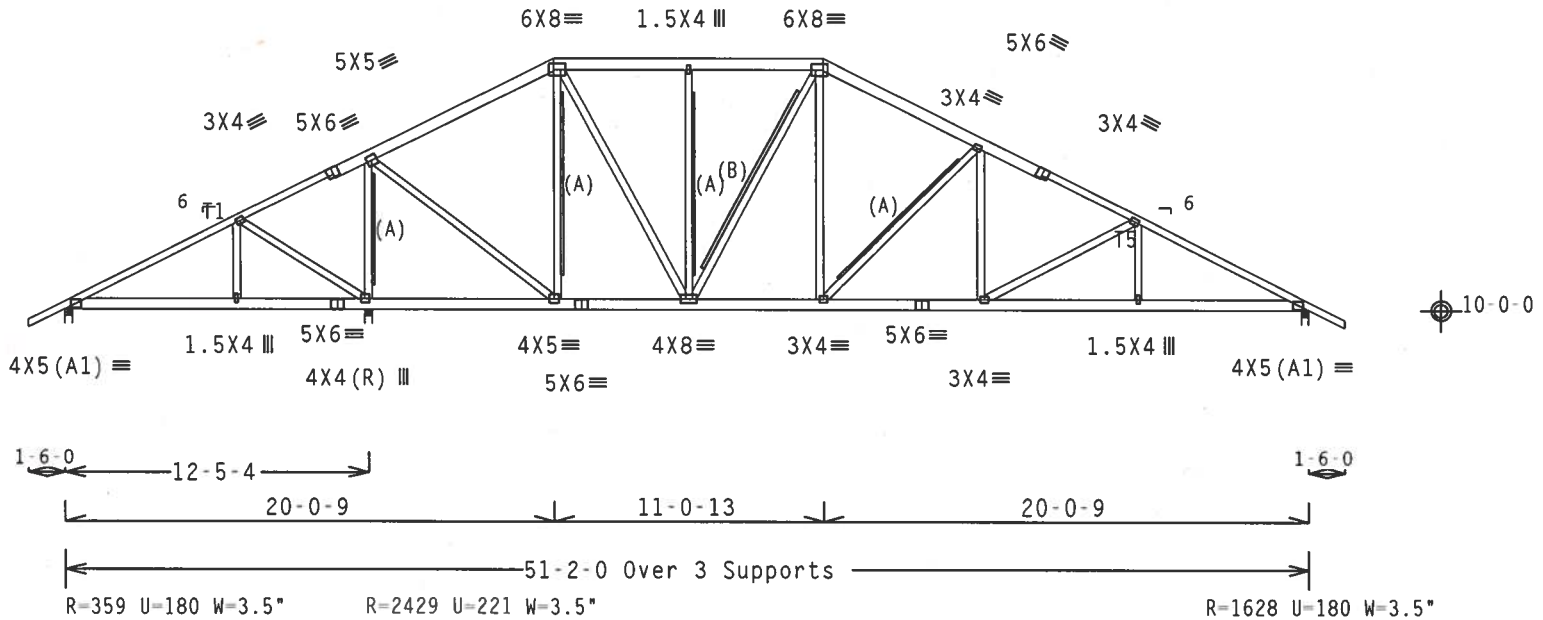

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

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Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69513
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012059
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	145125
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
:T5 2x6 SP #1 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W11 2x4 SP #2 Dense:

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See detail BCFILLER1106 for bottom chord (BC) filler details.Laterally brace BC above filler @ 24" O.C. (or as designed) including a brace on BC directly above both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

(B) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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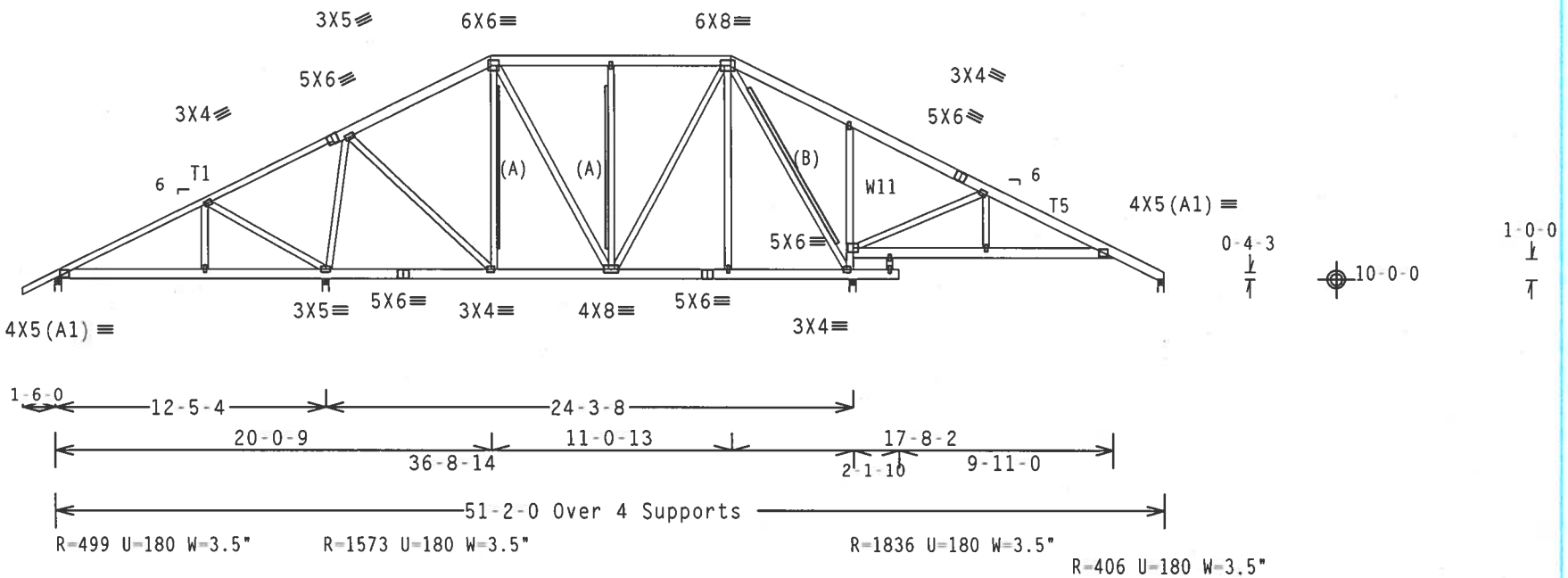

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
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FL Certificate of Authorization

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Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69514
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012060
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	145111
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF	at	-1.50	to	62 PLF	at 1.00
TC - From	168 PLF	at	1.00	to	168 PLF	at 36.75
TC - From	62 PLF	at	36.75	to	62 PLF	at 37.75
BC - From	4 PLF	at	-1.50	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 1.00
BC - From	44 PLF	at	1.00	to	44 PLF	at 36.75
BC - From	20 PLF	at	36.75	to	20 PLF	at 37.75

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

2 COMPLETE TRUSSES REQUIRED

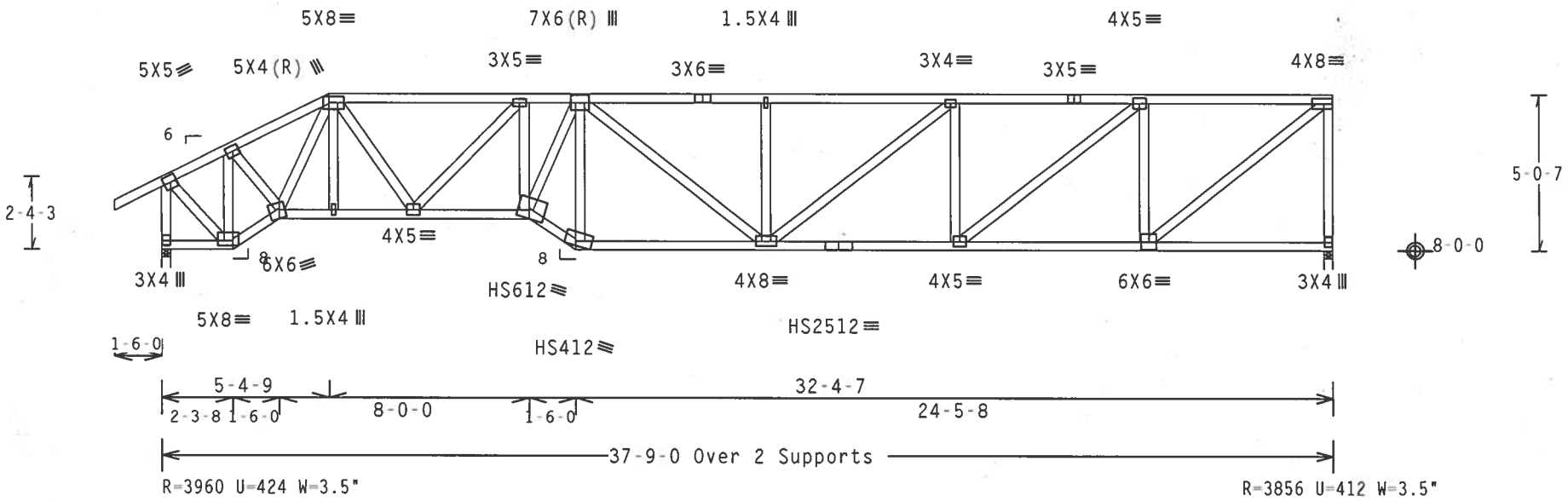
Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.08" due to live load and 0.17" due to dead load.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

ALPINE
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TC LL	20.0 PSF	REF	R487-- 69515
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012007
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144763
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

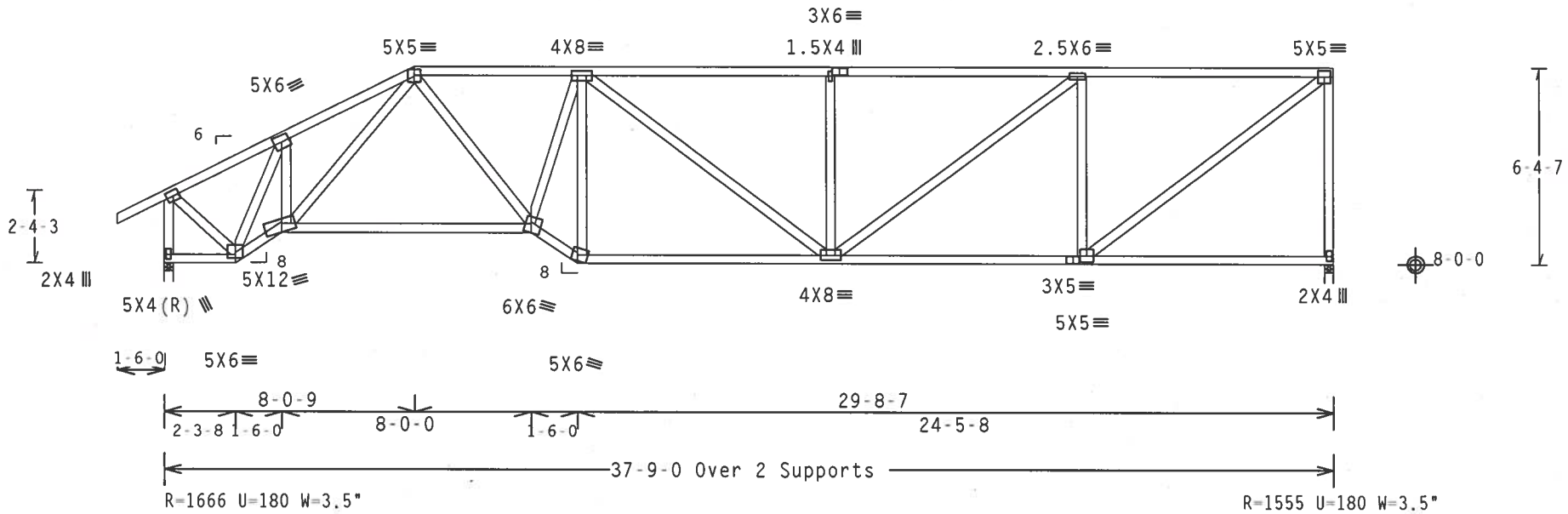
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible]TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
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FL Certificate of Authorization

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Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69516
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012043
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144760
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - B3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

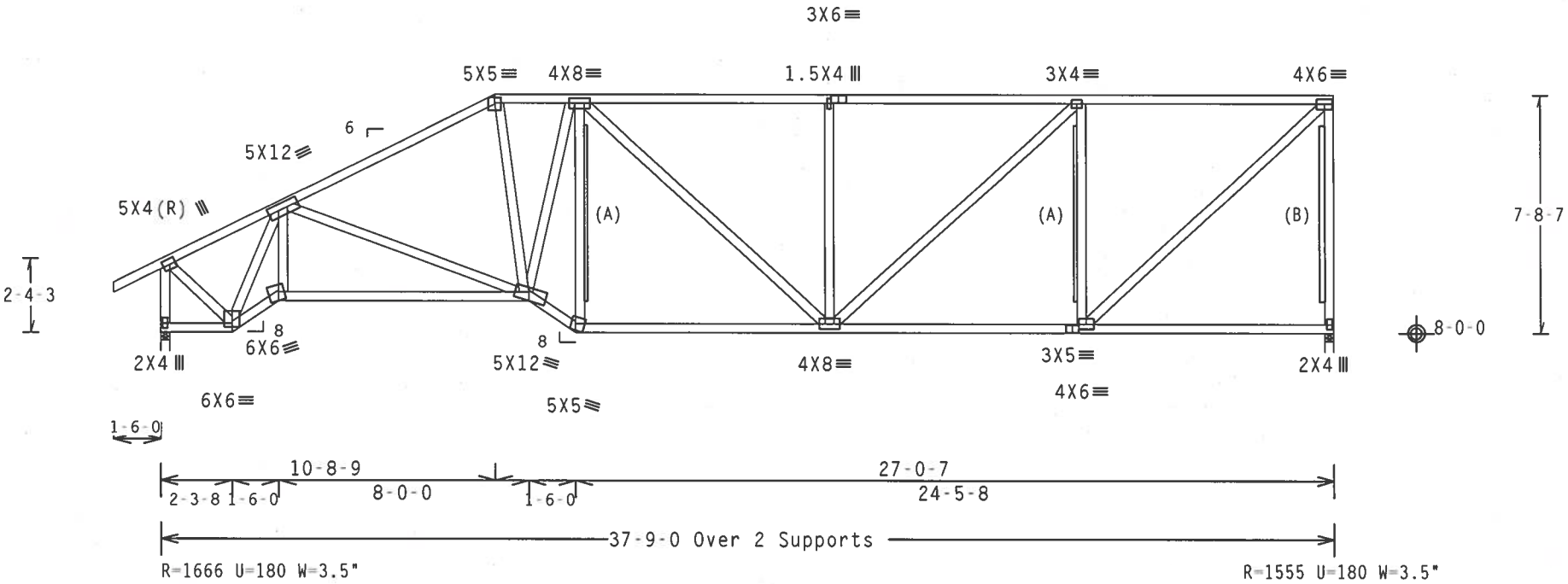
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

(B) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
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TC LL	20.0 PSF	REF	R487-- 69517
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012044
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144784
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

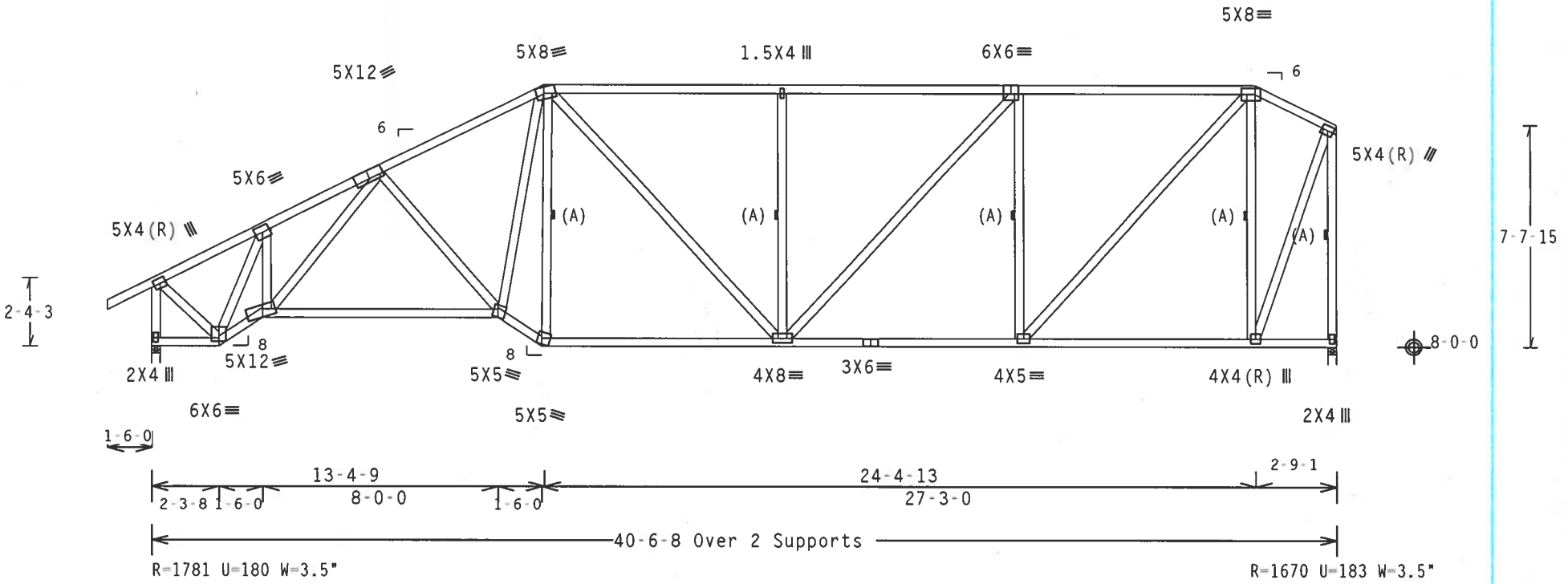
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.1875"/Ft.

ALPINE

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No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69518
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012045
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144788
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - B5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.13" due to live load and 0.20" due to dead load.

(A) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

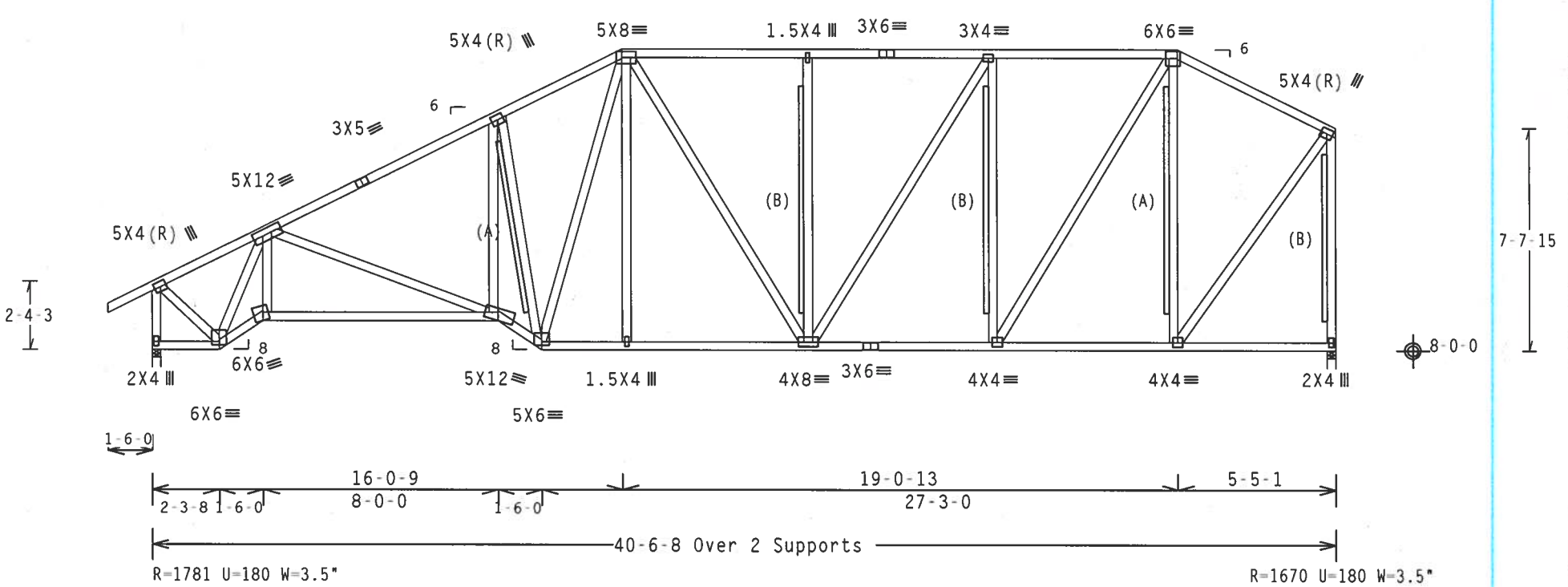
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

(B) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 16 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (i) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69519
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012002
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 145038
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

(B) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(A) 2x6 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

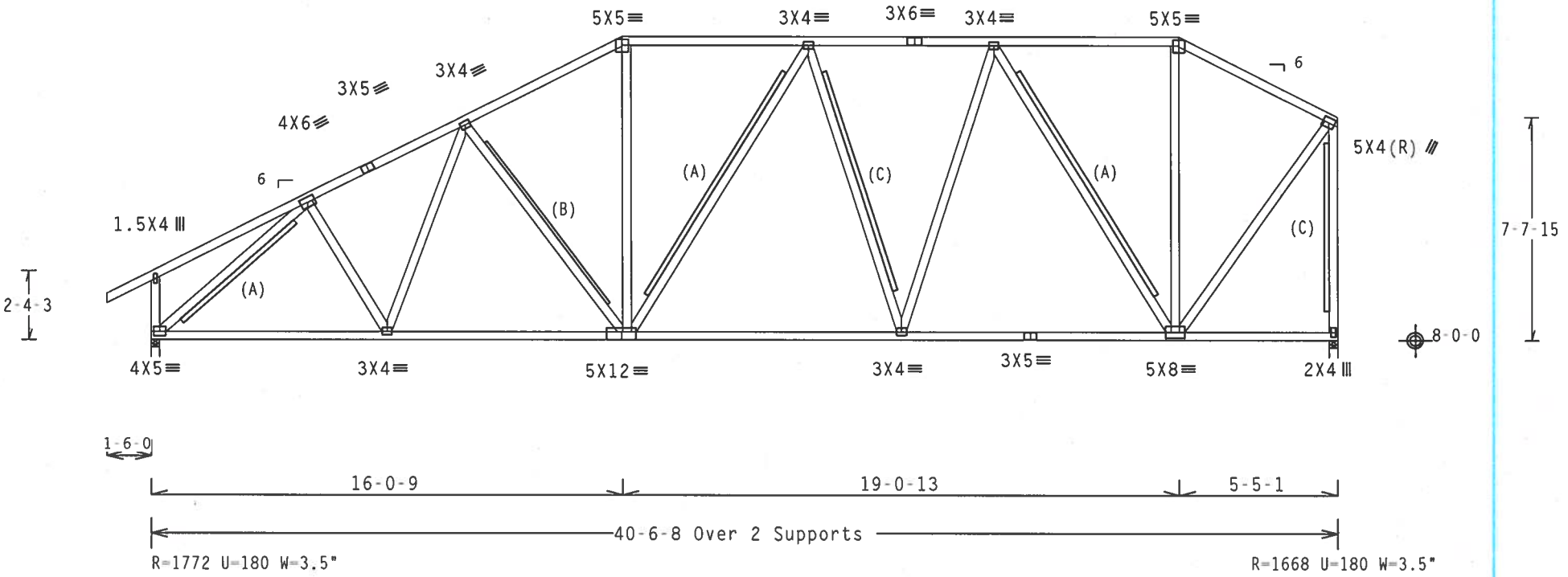
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

(C) 2x4 SP #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certific... ...orization

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69520
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012003
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	145027
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense :B1, B5, B9, B13 2x6 SP #2:
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	62 PLF	at	-1.50	to	62 PLF	at 1.00
TC - From	168 PLF	at	1.00	to	168 PLF	at 41.17
TC - From	62 PLF	at	41.17	to	62 PLF	at 49.67
BC - From	4 PLF	at	-1.50	to	4 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 1.00
BC - From	44 PLF	at	1.00	to	44 PLF	at 41.17
BC - From	20 PLF	at	41.17	to	20 PLF	at 48.17
BC - From	4 PLF	at	48.17	to	4 PLF	at 49.67

TC - 246 LB Conc. Load at 41.17
BC - 375 LB Conc. Load at 41.17

Left end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

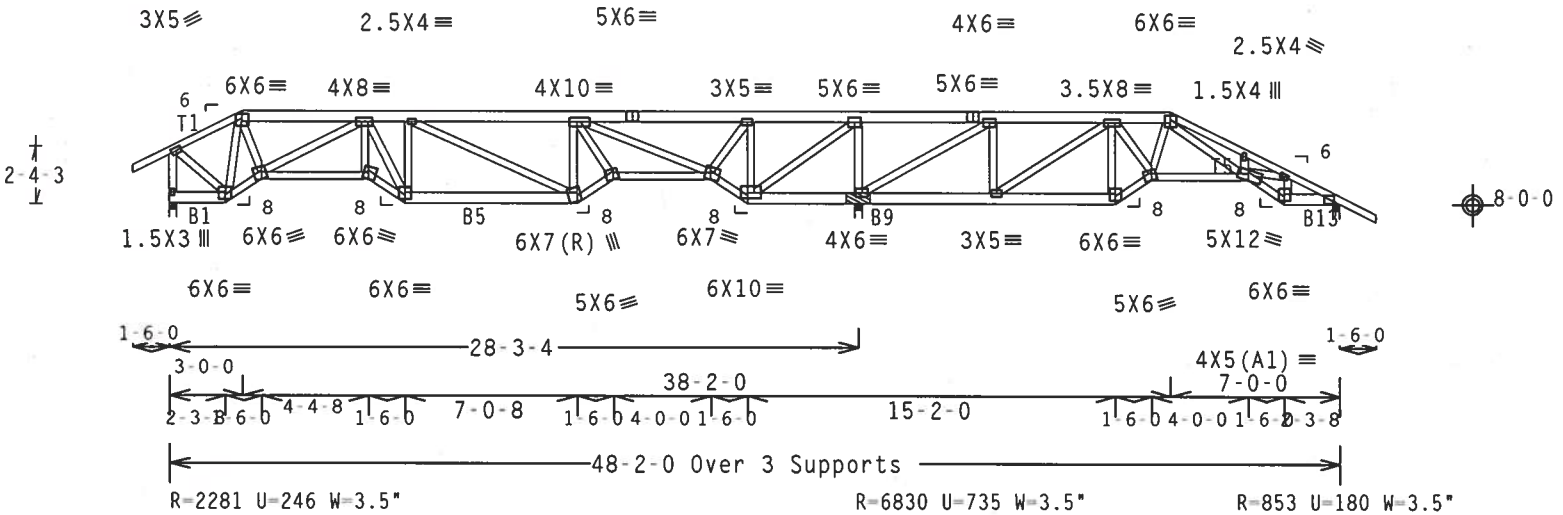
Bearing blocks: Nail type: 12d_Common_(0.148"x3.25",_min.)_nails

BRG	X-LOC	#BLOCKS	LENGTH/BLK	#NAILS/BLK	WALL PLATE
2	28.125'	1	12"	4	Match Truss

Bearing block to be same size and species as bottom chord.
Refer to drawing CNBRGBLK1103 for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.25.04 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #667

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12,07

TC LL	20.0 PSF	REF	R487-- 69521
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012061
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	78492 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - C3)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

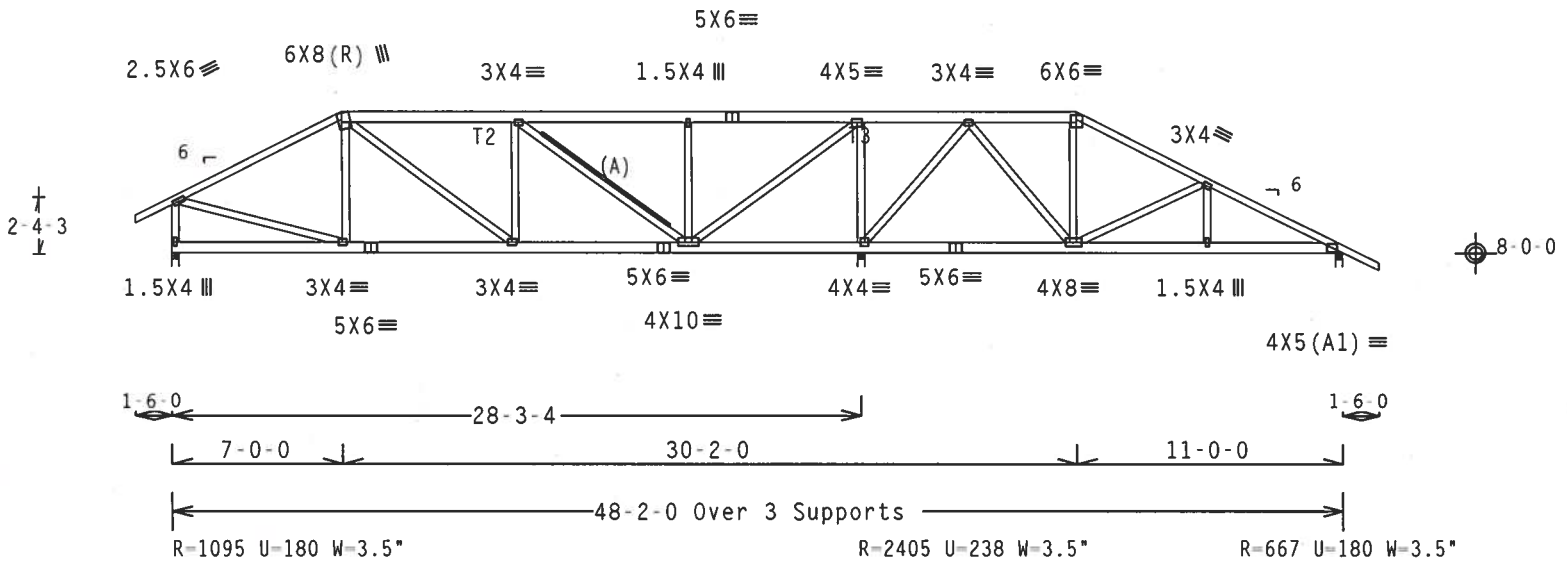
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION. HANDLING. SHIPPING. INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA. 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69522
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012063
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 145128
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - C2)

Top chord 2x6 SP #2 :T1, T5 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense :B1, B5, B9, B13 2x6 SP #2:
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

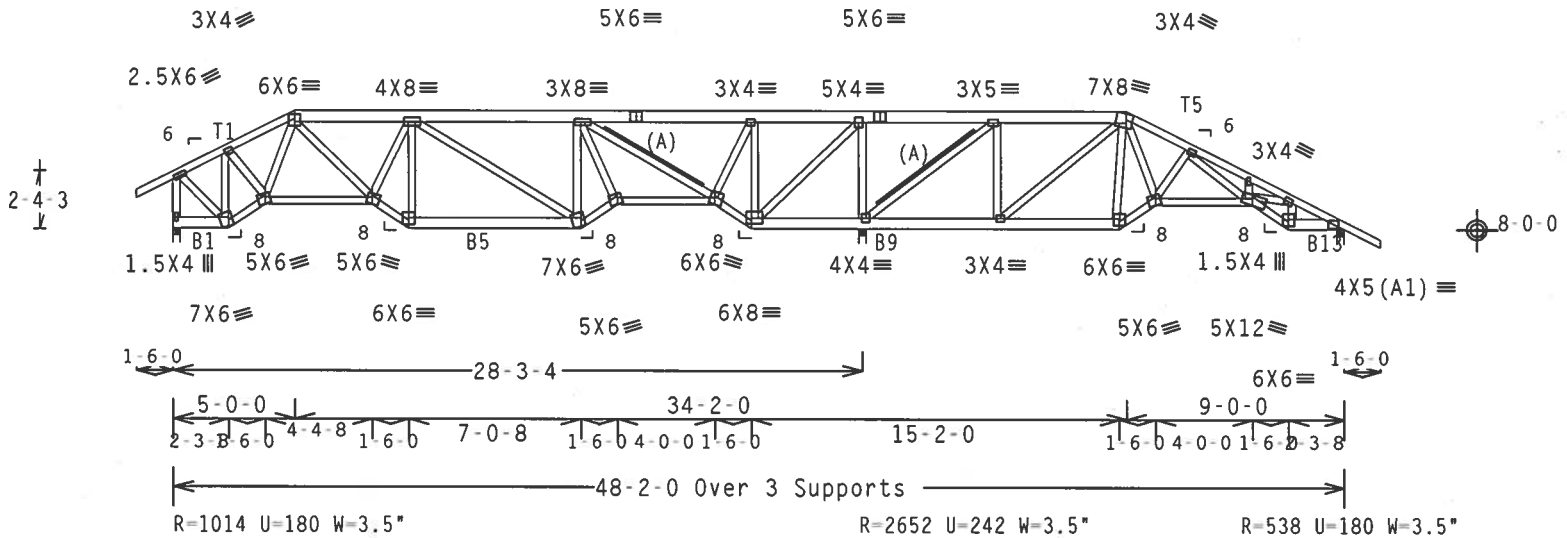
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

(A) 1x4 SP #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69523
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012062
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	145114
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

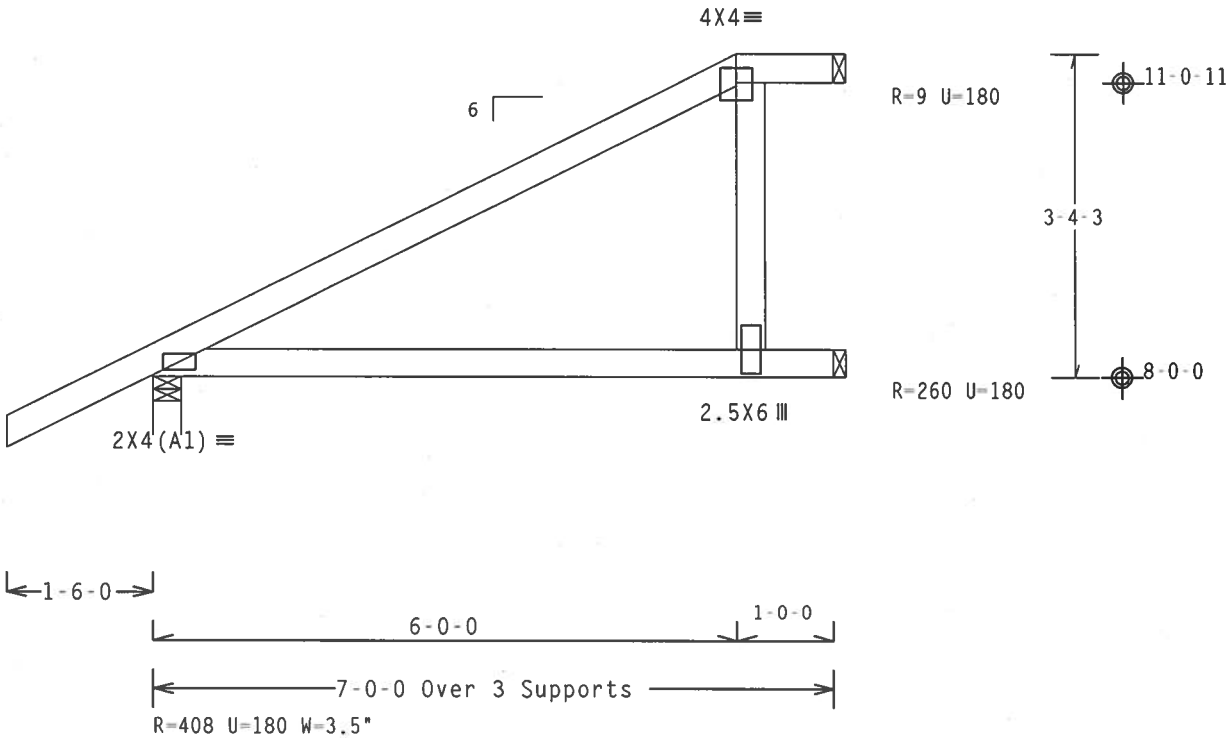
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.12[illegible] QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
[illegible] Certificate of Authorization [illegible]

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ARTHUR R. FISHER LICENSE No.69687 STATE OF FLORIDA PROFESSIONAL ENGINEER

JAN 12 '07

TC LL	20.0 PSF	REF R487-- 69524
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012011
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144851
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

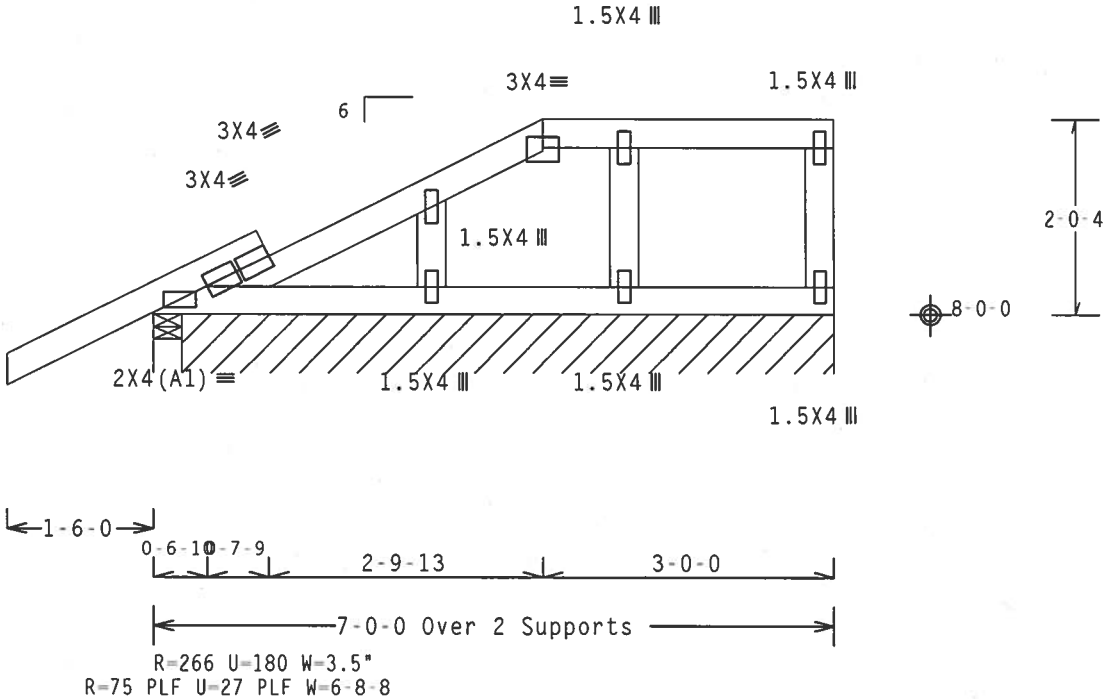
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.13 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
The Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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TC LL	20.0 PSF	REF	R487-- 69525
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012010
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144855
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

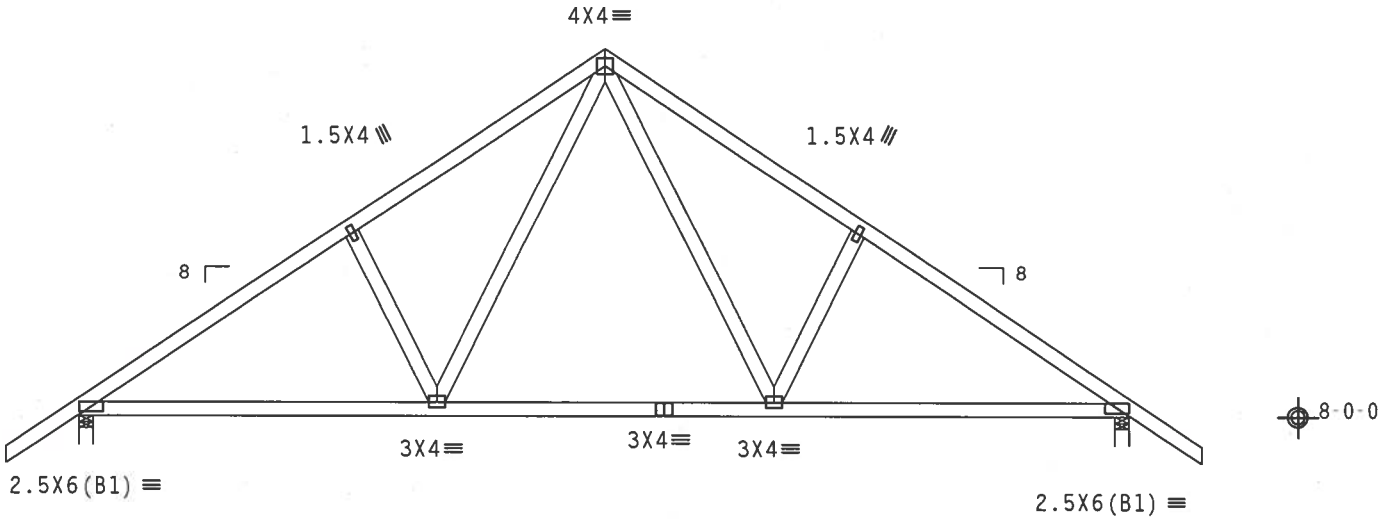
TC - From	64	PLF at	-1.50	to	64	PLF at	10.79
TC - From	64	PLF at	10.79	to	64	PLF at	23.08
BC - From	5	PLF at	-1.50	to	5	PLF at	0.00
BC - From	20	PLF at	0.00	to	20	PLF at	7.33
BC - From	70	PLF at	7.33	to	70	PLF at	14.25
BC - From	20	PLF at	14.25	to	20	PLF at	21.58
BC - From	5	PLF at	21.58	to	5	PLF at	23.08

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.[illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization [illegible]

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TC LL	20.0	PSF	REF R487-- 69526
TC DL	10.0	PSF	DATE 01/12/07
BC DL	10.0	PSF	DRW HCUSR487 07012027
BC LL	0.0	PSF	HC-ENG JB/AF
TOT.LD.	40.0	PSF	SEQN- 144769
DUR.FAC.	1.25		FROM JFB
SPACING	24.0"		JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - F2)

THIS DRG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

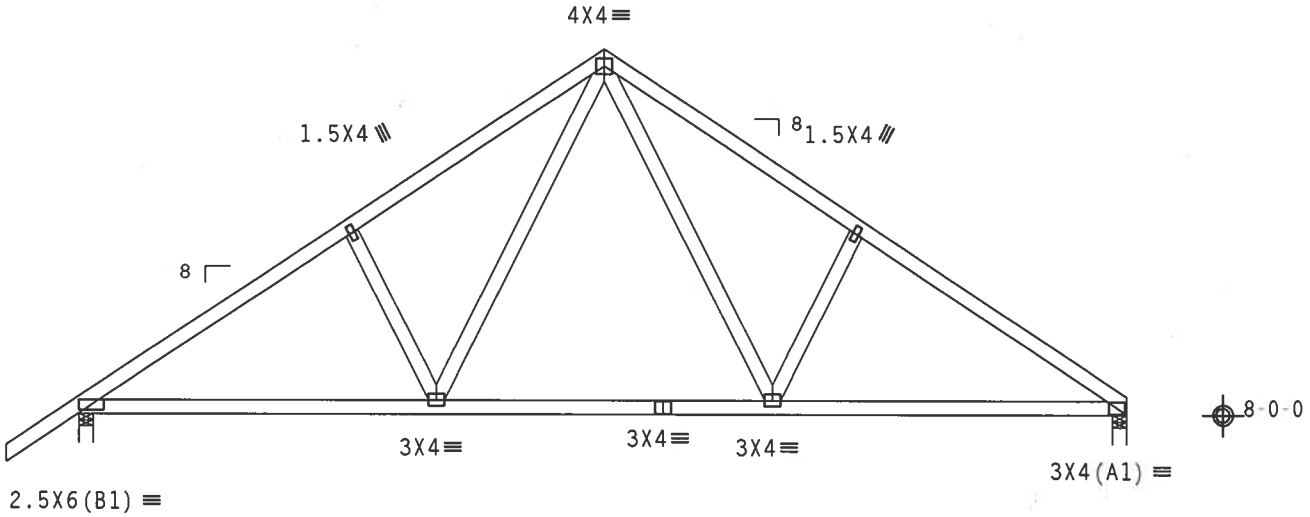
TC - From	64 PLF	at	-1.50	to	64 PLF	at 10.79
TC - From	64 PLF	at	10.79	to	64 PLF	at 21.58
BC - From	5 PLF	at	-1.50	to	5 PLF	at 0.00
BC - From	20 PLF	at	0.00	to	20 PLF	at 7.49
BC - From	70 PLF	at	7.49	to	70 PLF	at 14.25
BC - From	20 PLF	at	14.25	to	20 PLF	at 21.58

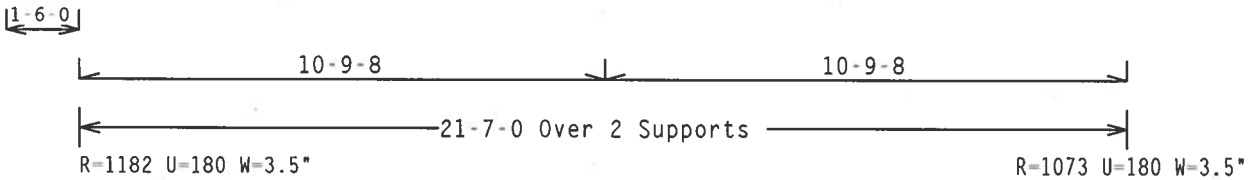
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
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FL Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69527
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012035
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144775
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

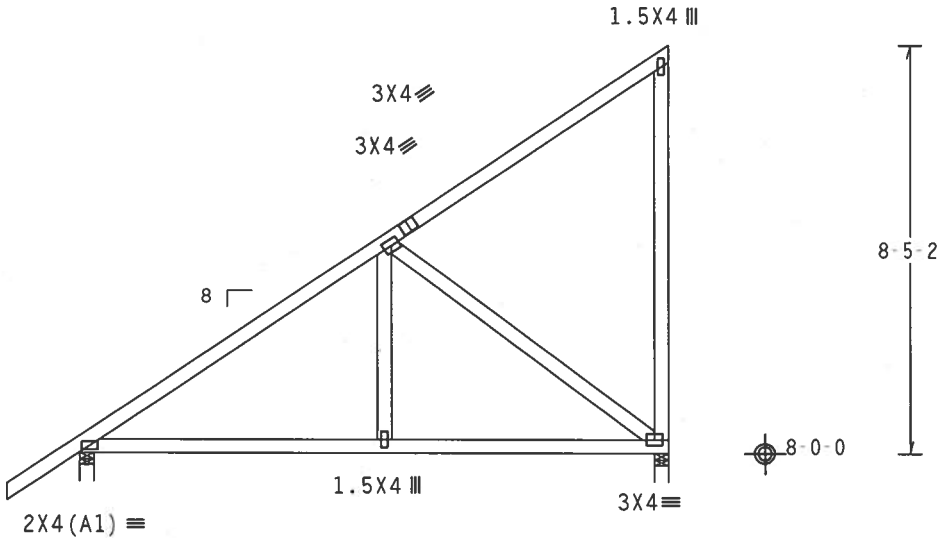
Wind reactions based on MWFRS pressures.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



1-6-0

12-1-0 Over 2 Supports

R=625 U=180 W=3.5"

R=494 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.25"/Ft.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69528
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012042
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144778
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - F GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

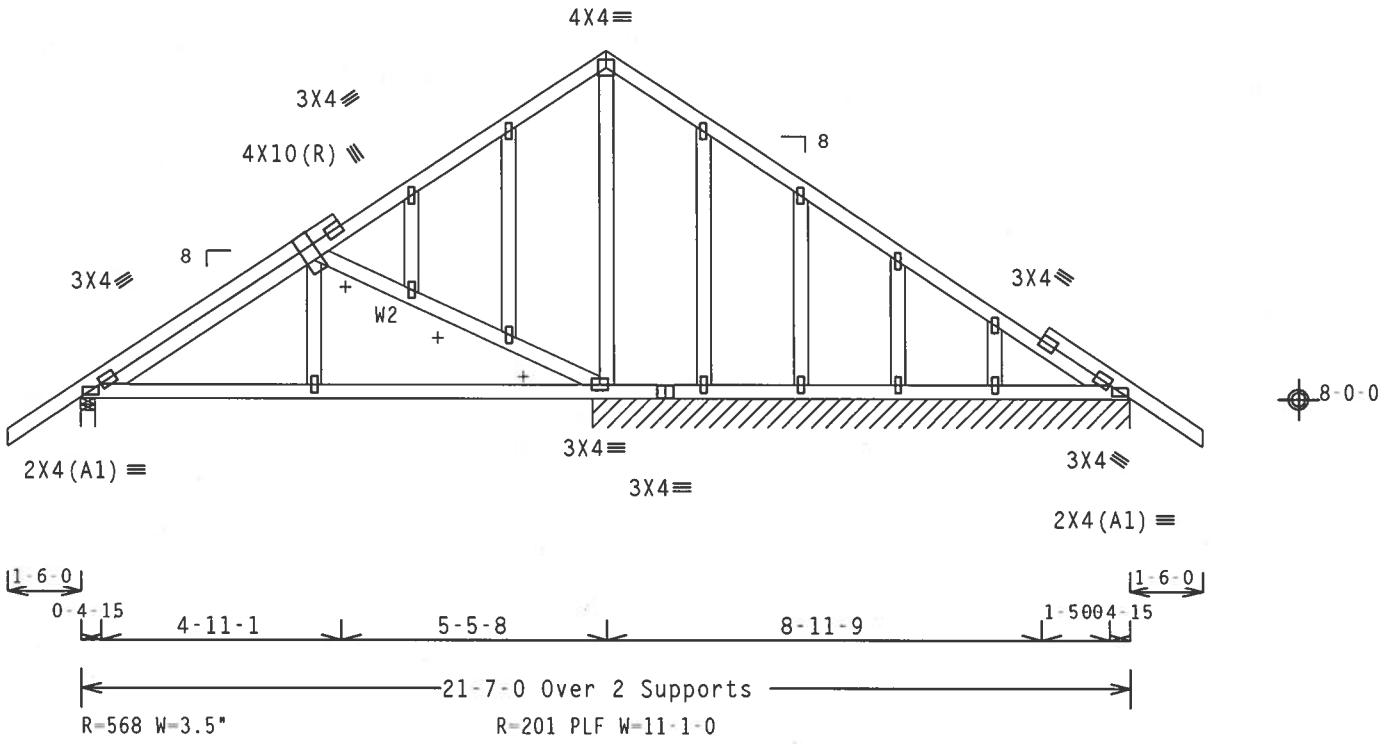
+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization [illegible]

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69529
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012016
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144772
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

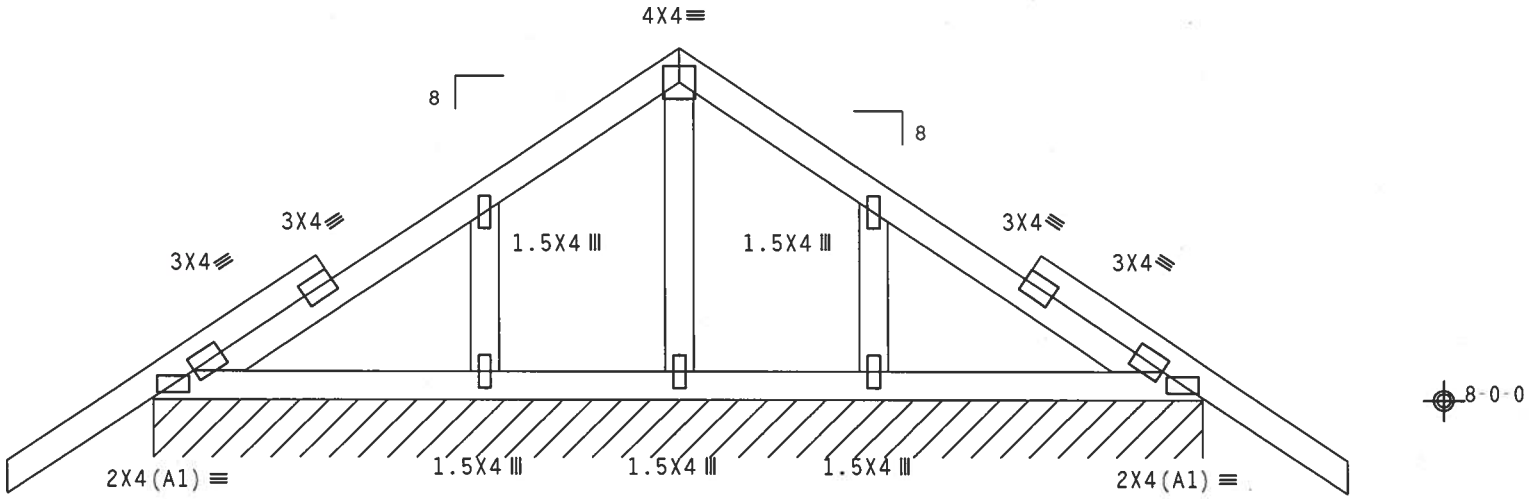
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

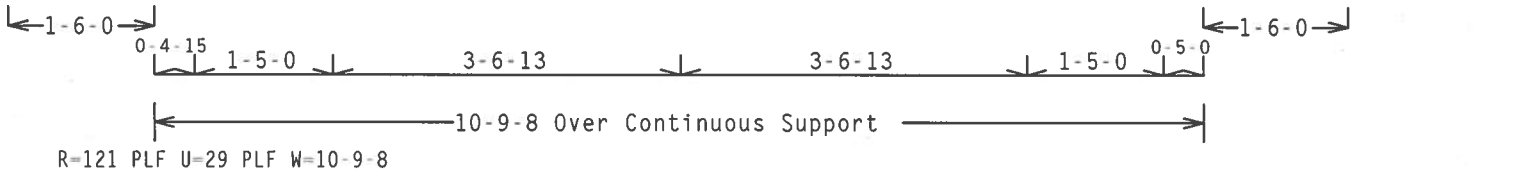
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=121 PLF U=29 PLF W=10-9-8

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

ALPINE

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TC LL	20.0 PSF	REF R487-- 69530
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012001
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144766
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

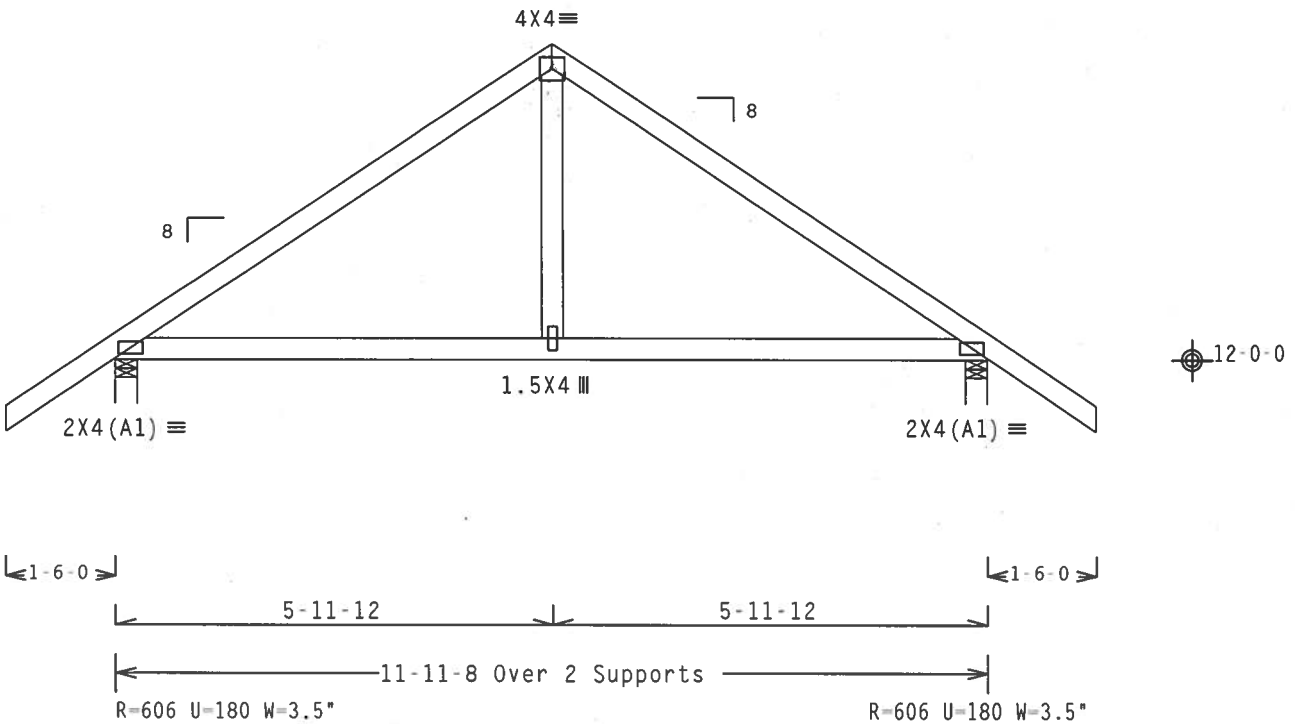
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE
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Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69531
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012026
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144876
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - I2)

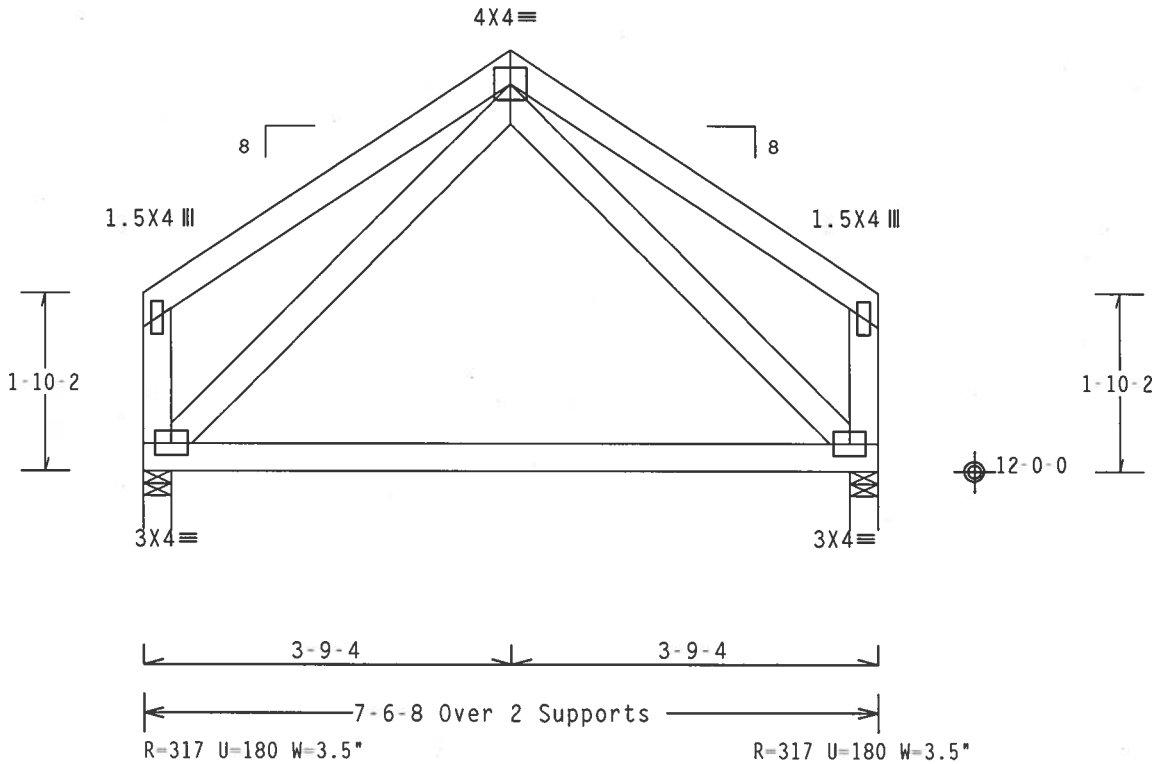
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69532
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012029
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144879
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

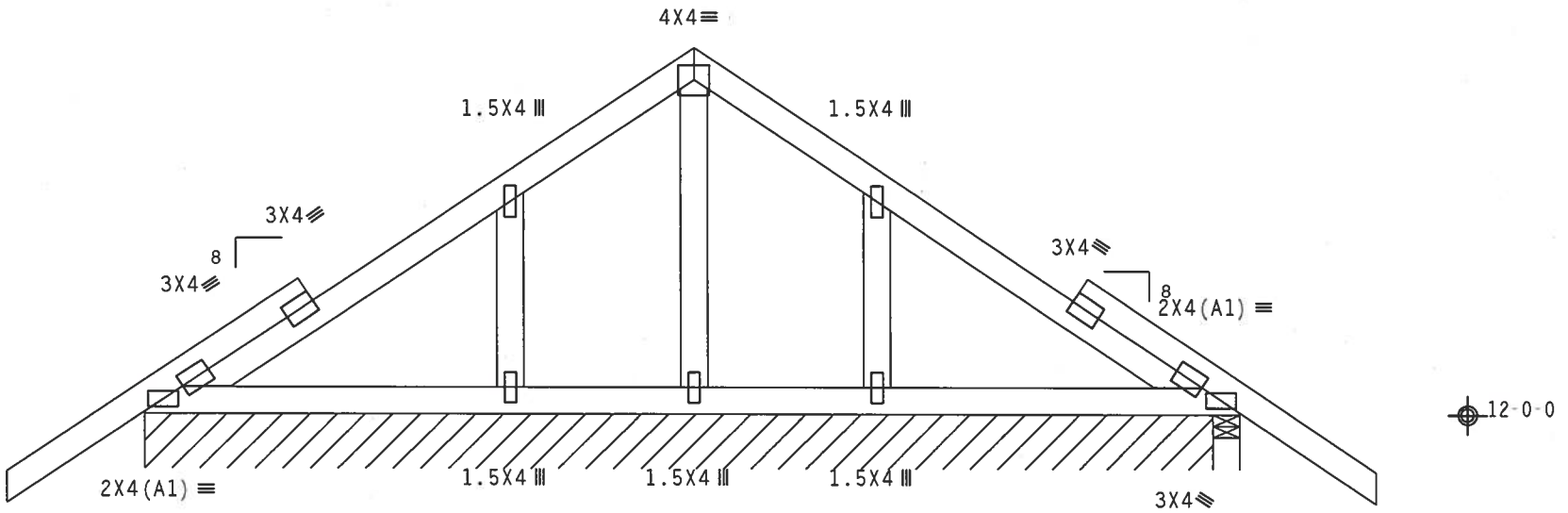
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

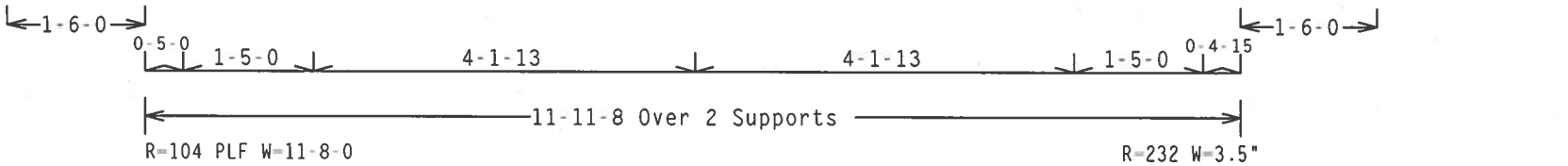
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69533
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012025
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144884
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

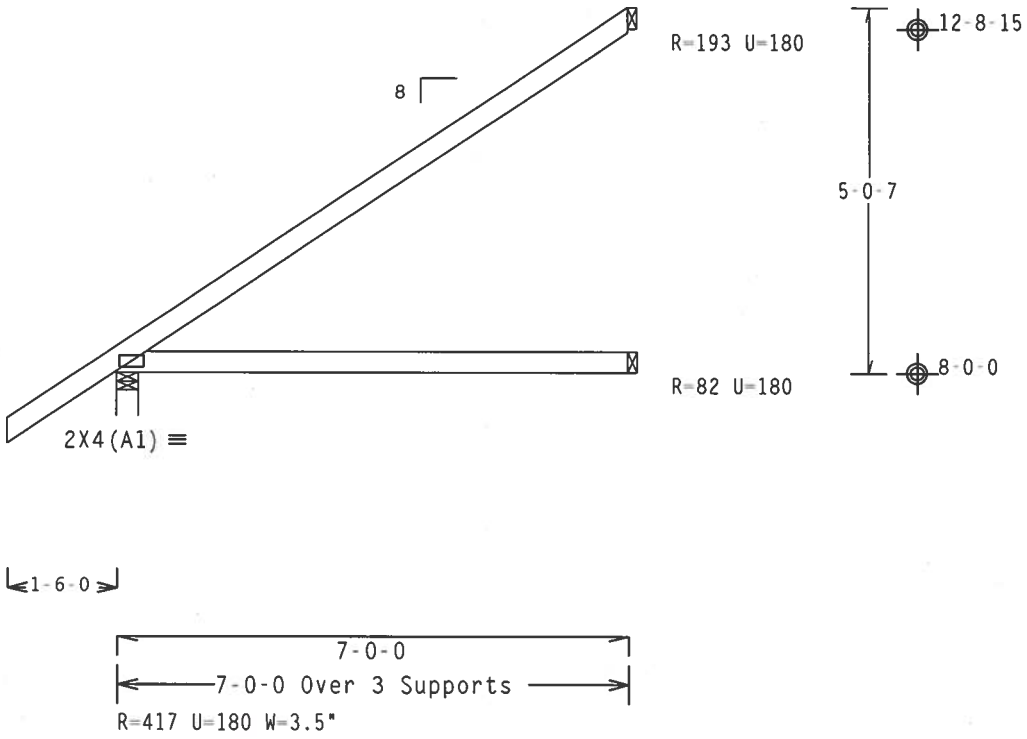
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69534
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012009
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144801
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - EJ7 A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

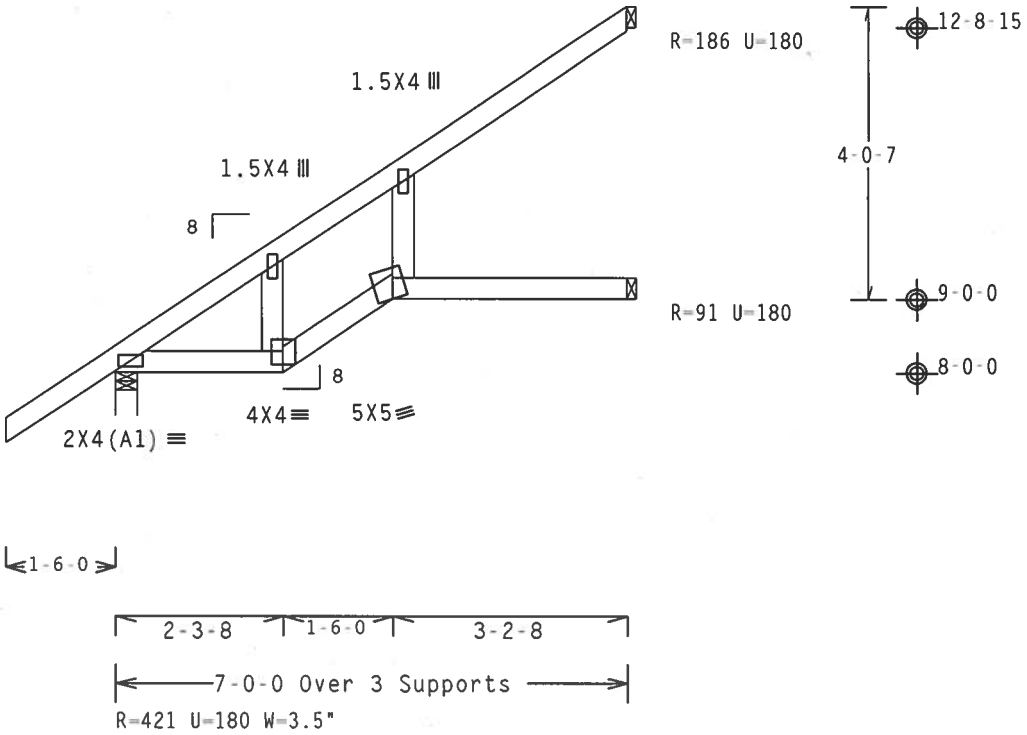
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.12 KEY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69535
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012008
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144805
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - EJ7B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

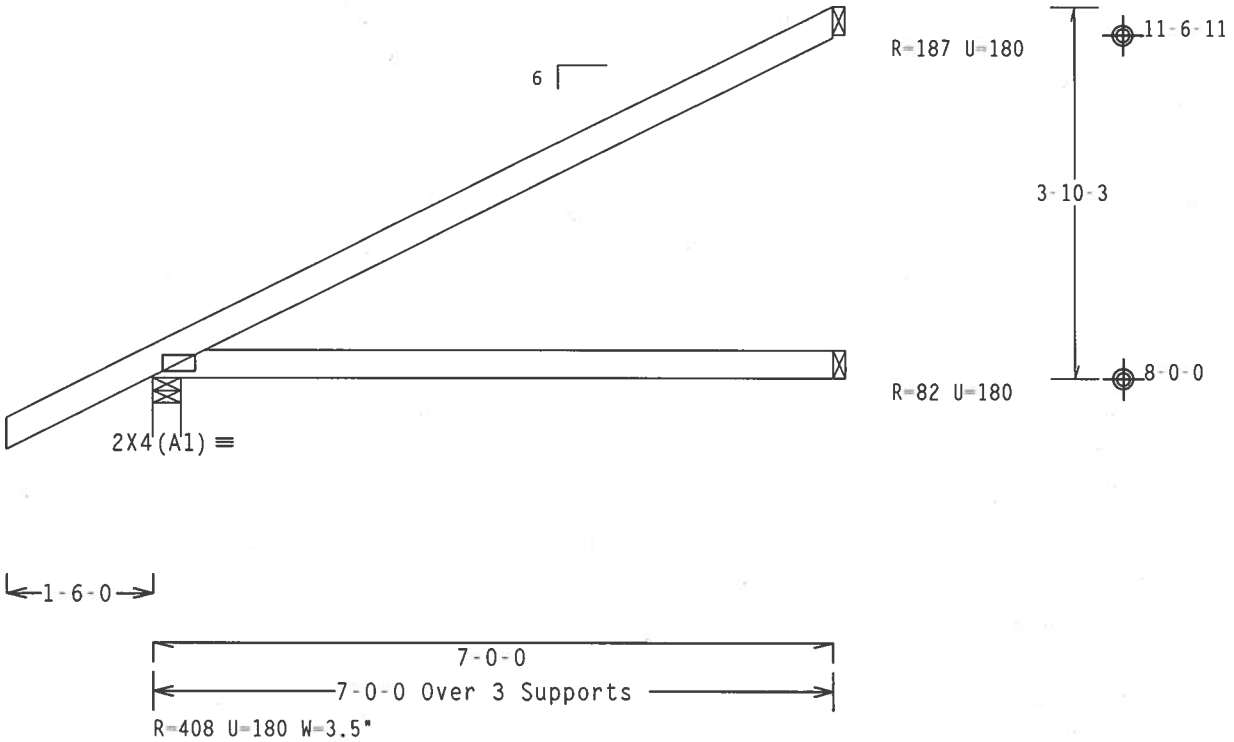
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12, 07

TC LL	20.0 PSF	REF R487-- 69536
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012021
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144843
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - EJ7C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

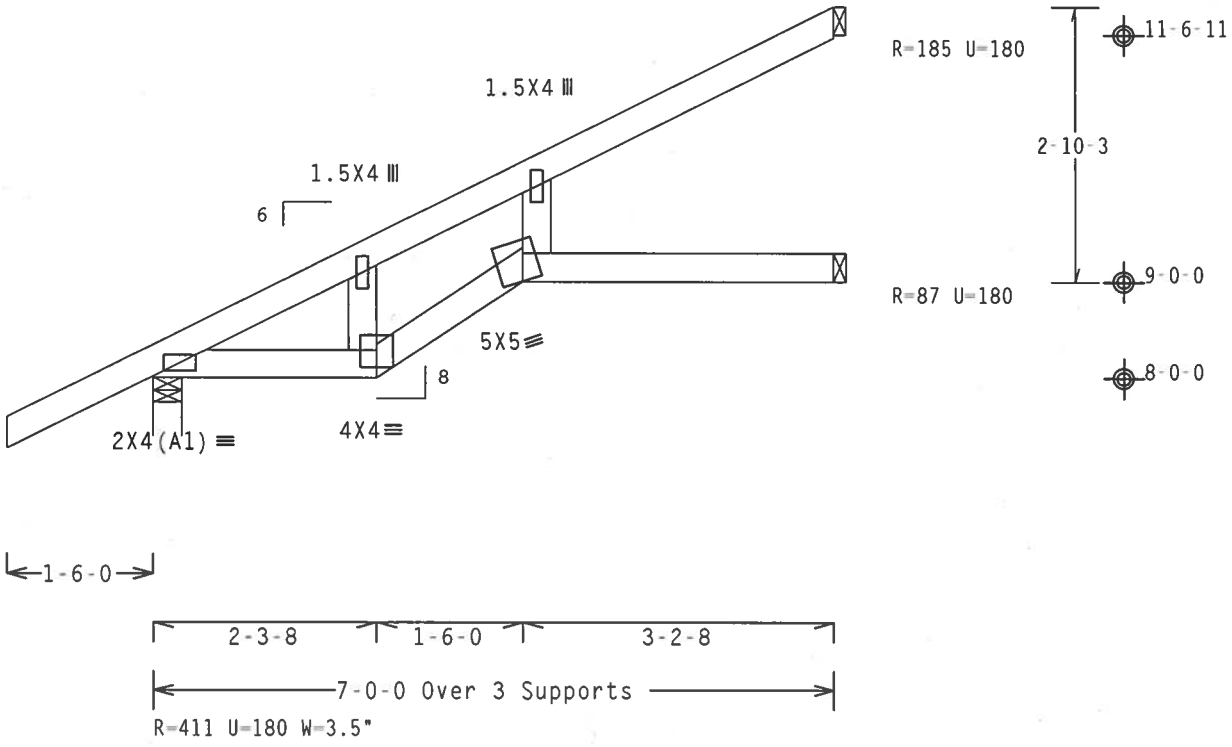
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

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No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69537
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012019
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144846
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

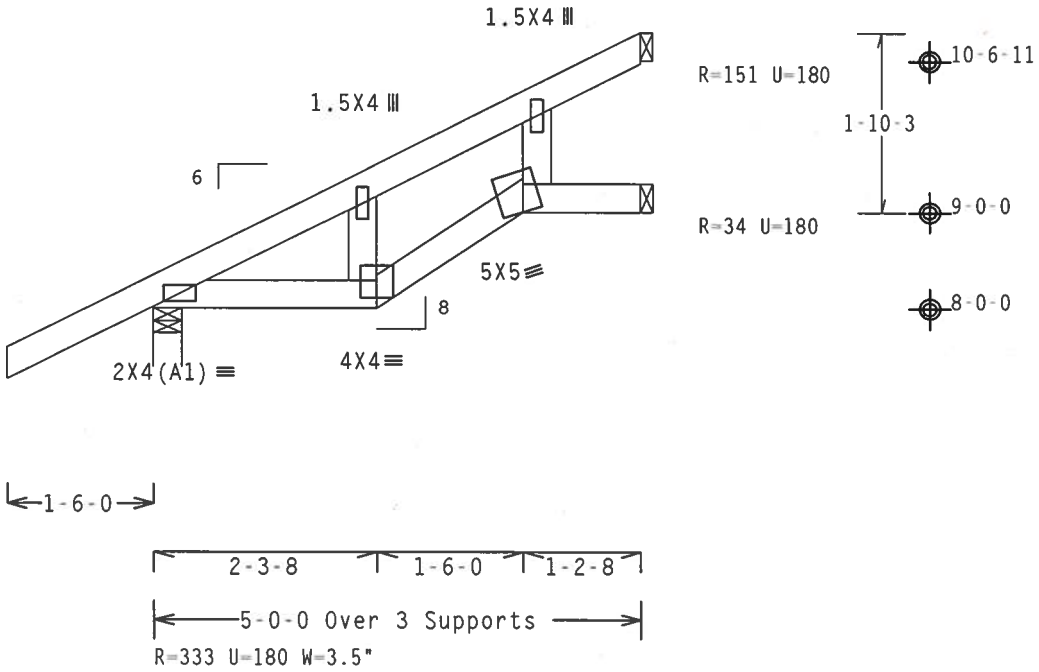
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 [illegible] TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
The Certificate of Authorization "[illegible]"

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69538
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012014
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144858
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

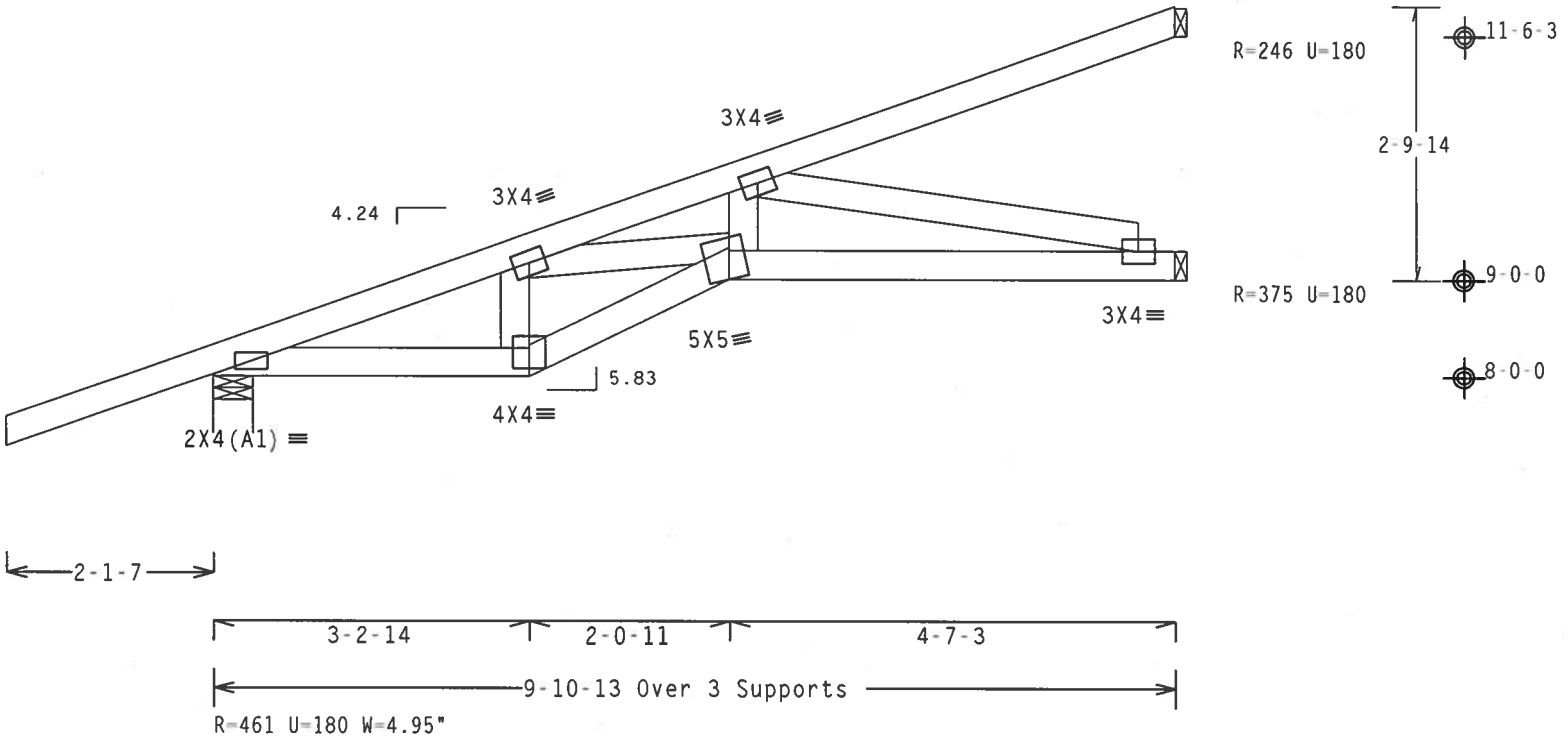
Hipjack supports 7-0-0 setback jacks with no webs.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
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Haines City, FL 33844
Certificate of Authorization

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ARTHUR A. FISHER
LICENSE
No.59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69539
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012013
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144867
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - CJ3B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

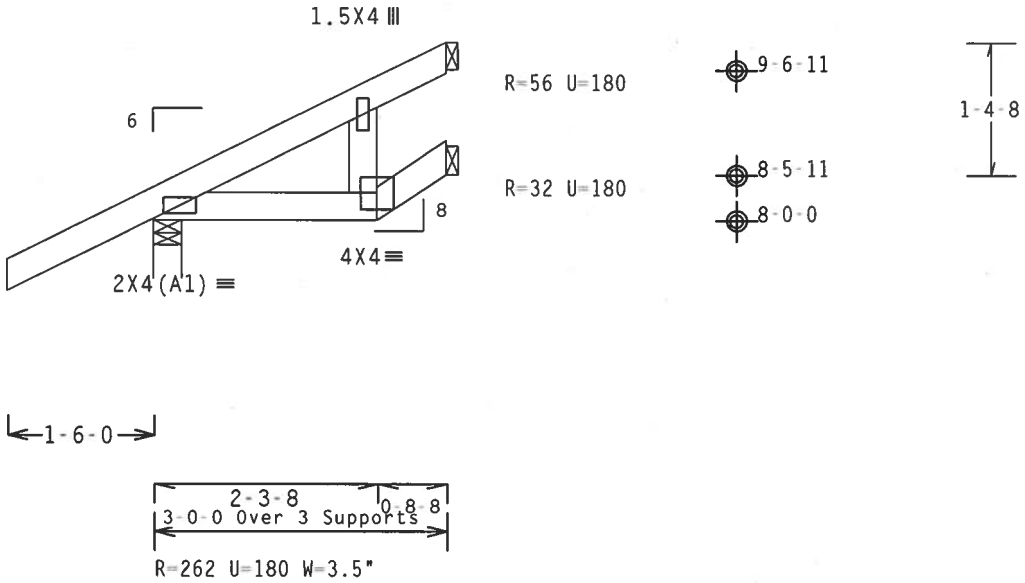
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.12 KEY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12,'07

TC LL	20.0 PSF	REF	R487-- 69540
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012015
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144862
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - HJ7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

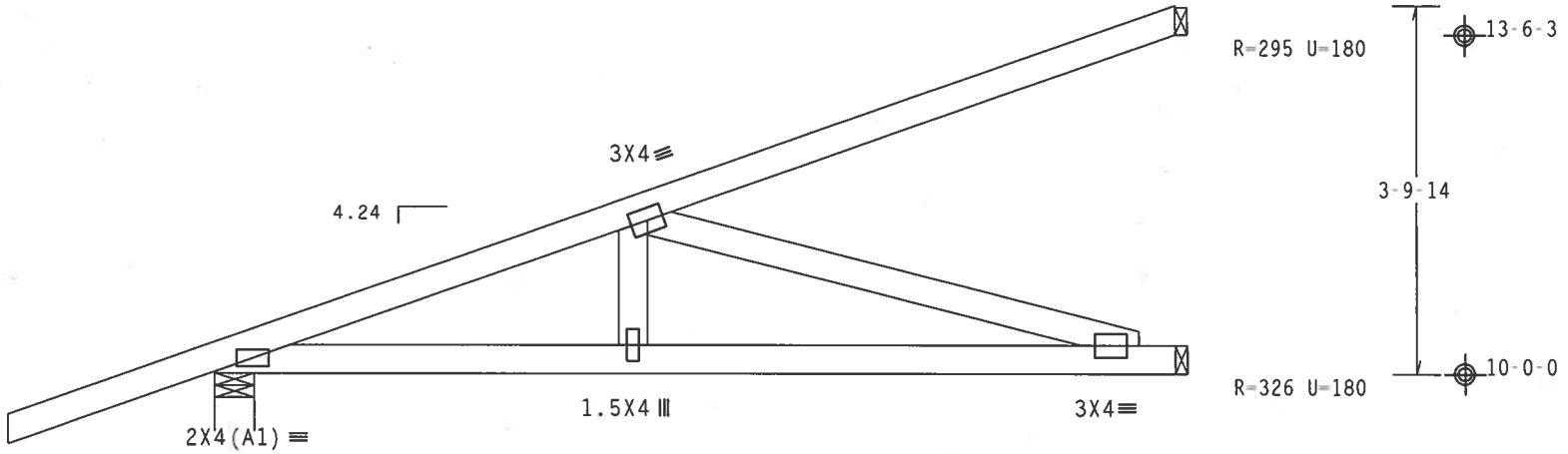
Hipjack supports 7-0-0 setback jacks with no webs.

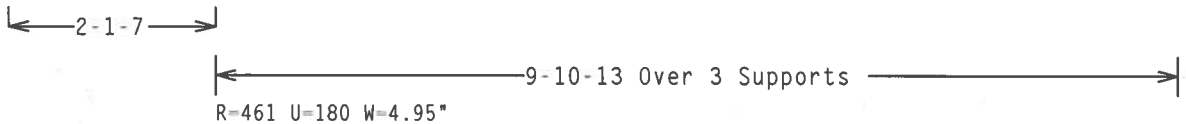
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cg/RT=1.00(1.25)/10(0) 7.24.1[illegible]TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69541
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012028
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144937
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - CJ5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

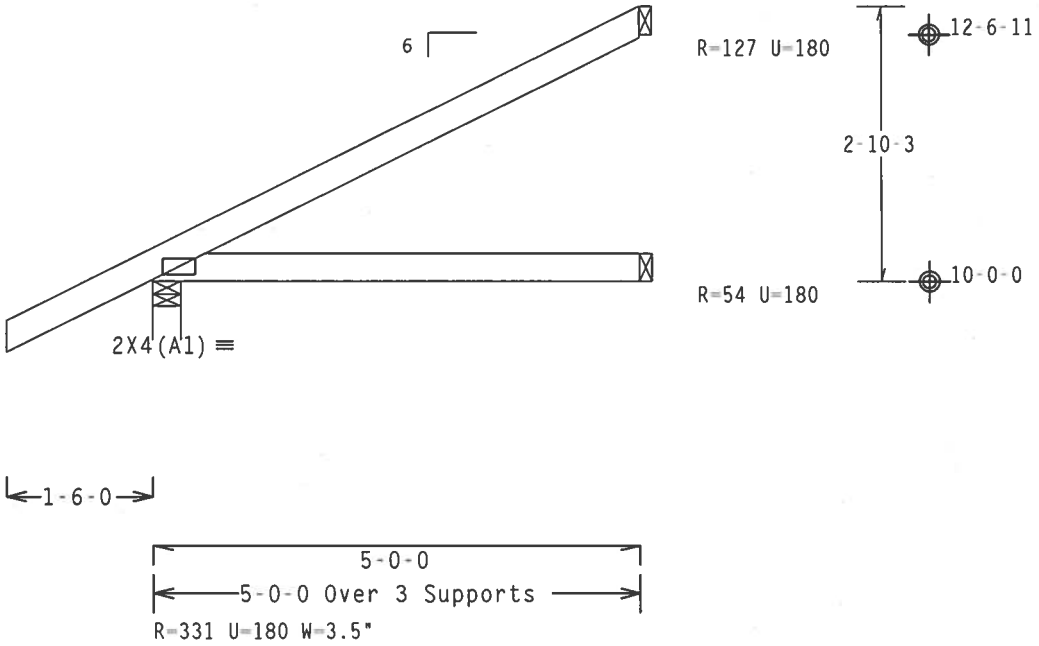
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69542
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012033
BC LL	0.0 PSF	HC-ENG	JB/AF *
TOT.LD.	40.0 PSF	SEQN-	144940
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - CJ3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

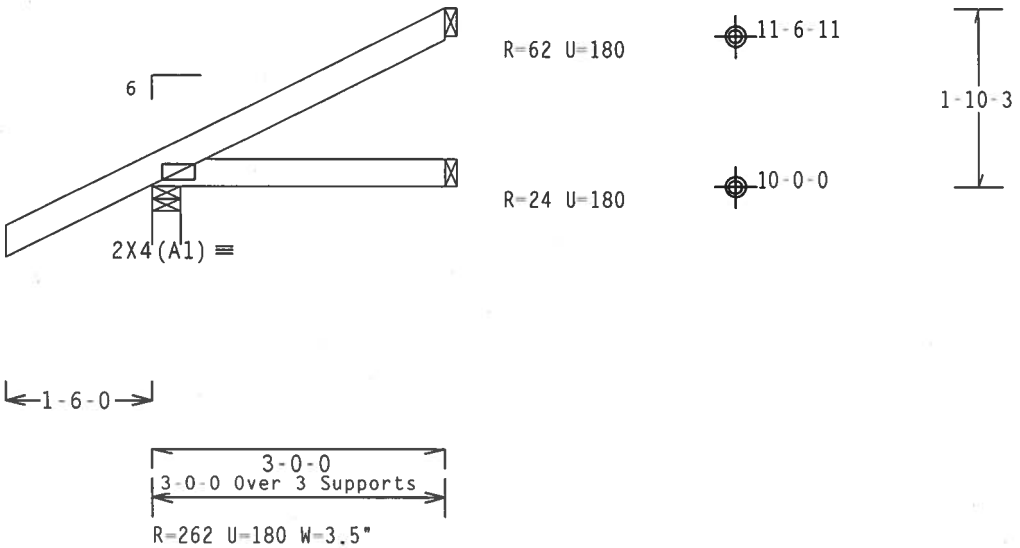
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
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FL Certificate of Authorization #

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Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69543
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012034
BC LL	0.0 PSF	HC-ENG JB/AF *
TOT.LD.	40.0 PSF	SEQN- 144949
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

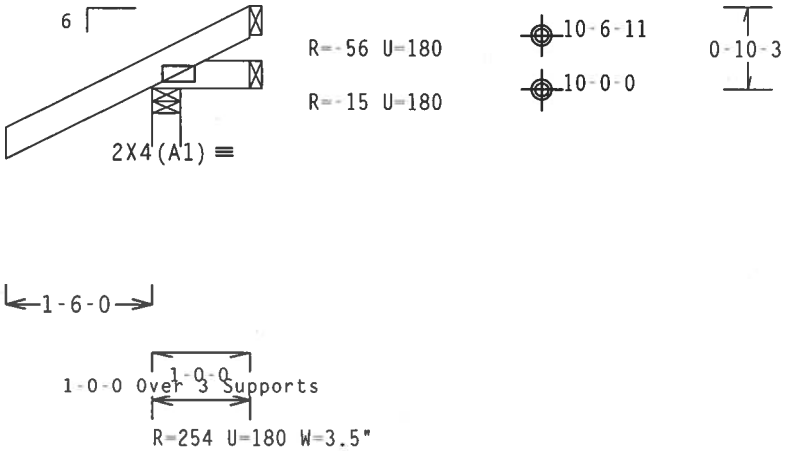
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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ARTHUR R. FISHER LICENSE No.39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12,07

TC LL	20.0 PSF	REF R487-- 69544
TC DL	10.0 PSF	DATE 01/12/07
BC DL	10.0 PSF	DRW HCUSR487 07012017
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 144946
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

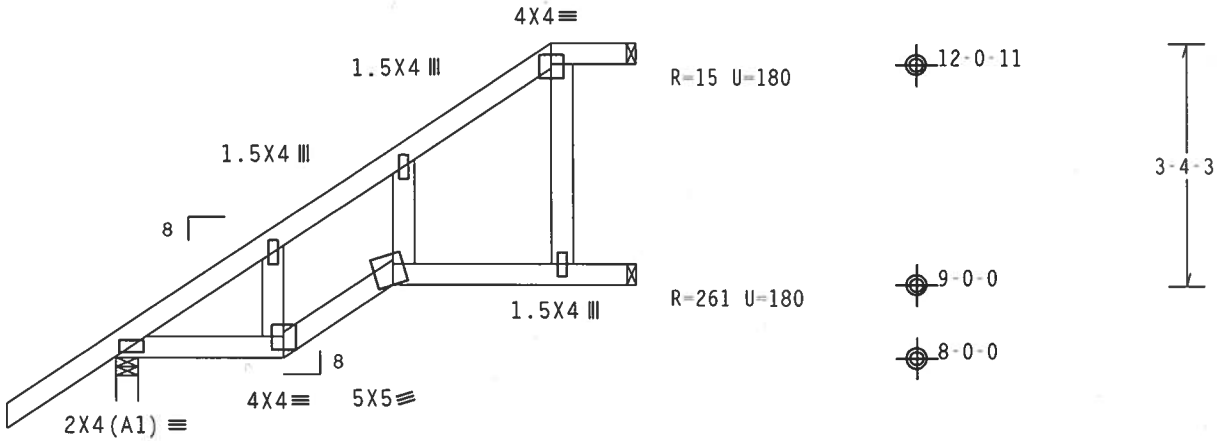
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certific orization

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (!) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69545
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012006
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144810
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

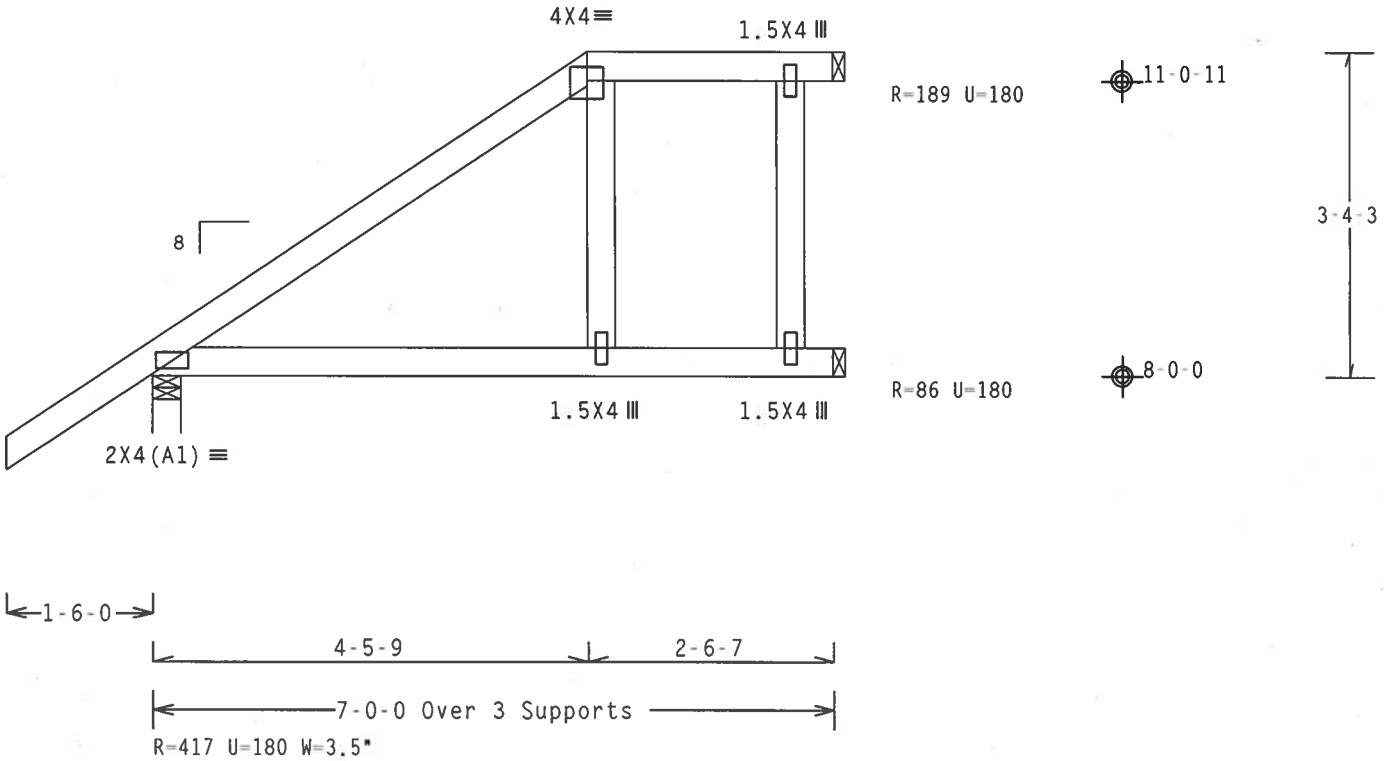
Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69546
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012005
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144815
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

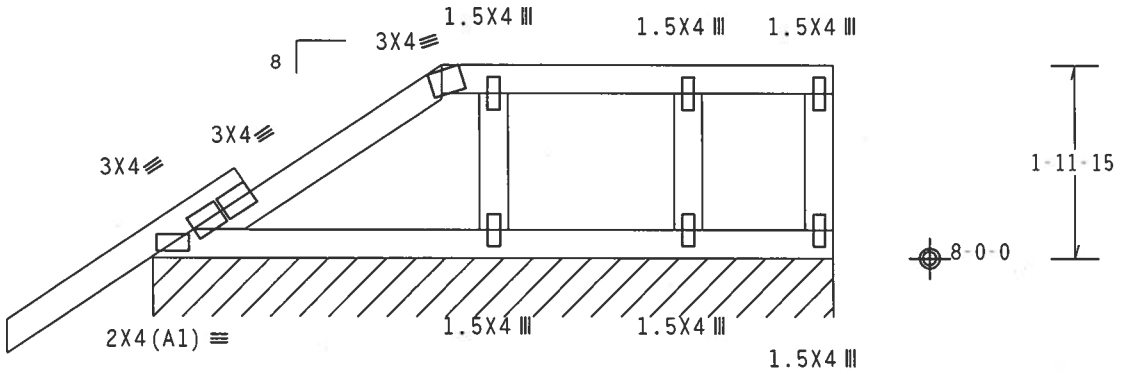
See DWGS A11015EE1106 & GBLLETIN1106 for more requirements.

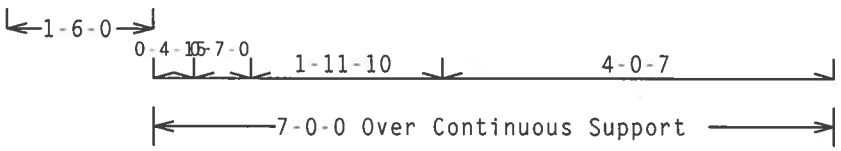
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=114 PLF U=46 PLF W=7-0-0

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844

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ARTHUR R. FISHER LICENSE No.59682 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69547
TC DL	10.0 PSF	DATE	01/12/07
BC DL	10.0 PSF	DRW	HCUSR487 07012004
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	144821
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

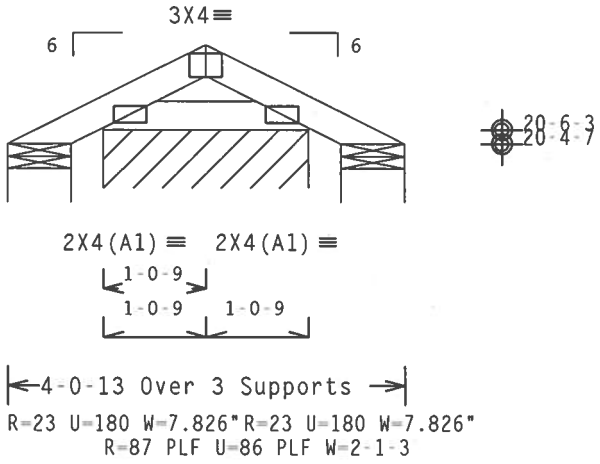
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 20.88 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
Certificate of Authorization

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69548
TC DL	10.0 PSF	DATE 01/12/07
BC DL	2.0 PSF	DRW HCUSR487 07012041
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 145081
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11030EE1106 & GBLLETIN1106 for more requirements.

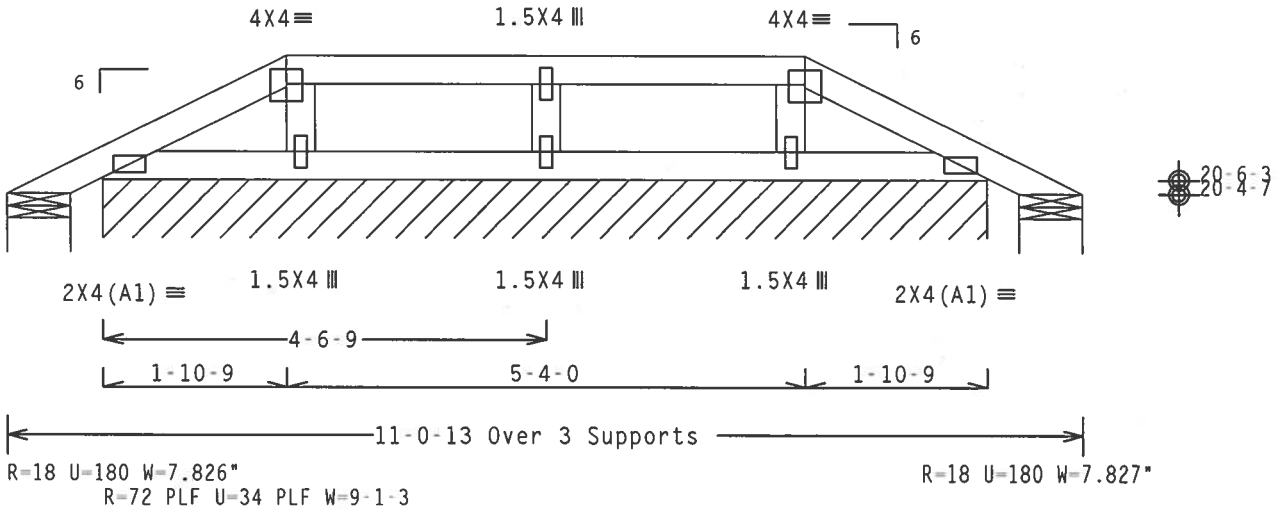
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 21.09 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.12 TY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69549
TC DL	10.0 PSF	DATE 01/12/07
BC DL	2.0 PSF	DRW HCUSR487 07012020
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 145046
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11030EE1106 & GBLLETIN1106 for more requirements.

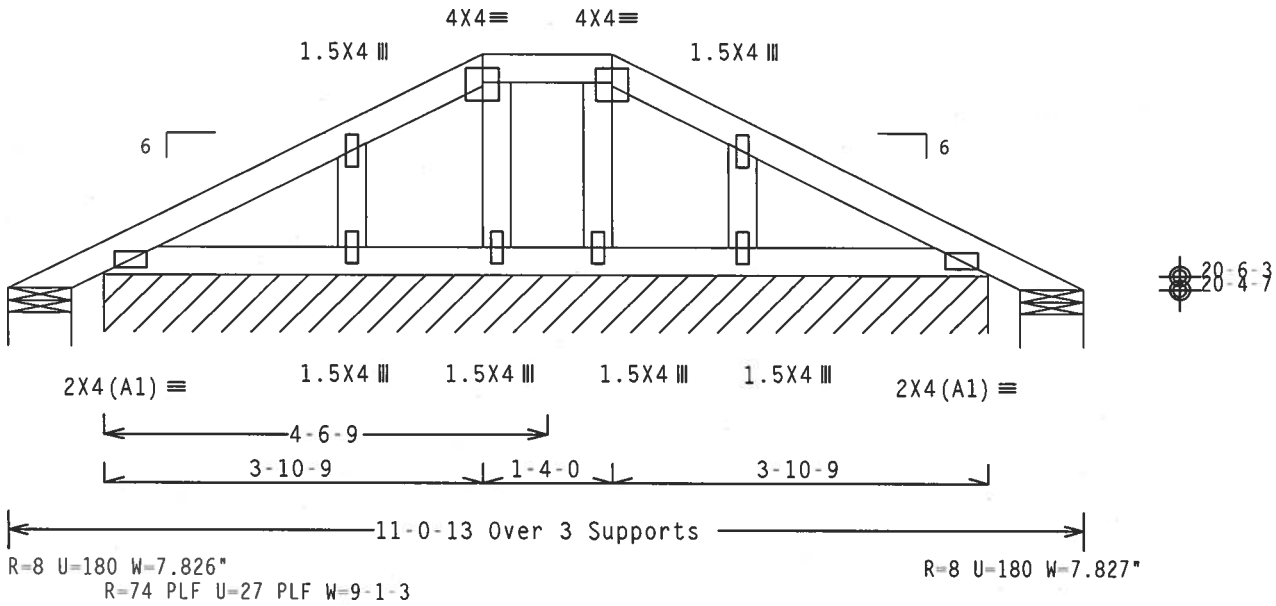
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 21.59 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Gable end supports 8" max rake overhang.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

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ARTHUR R FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69550
TC DL	10.0 PSF	DATE 01/12/07
BC DL	2.0 PSF	DRW HCUSR487 07012024
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 145049
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Gable end supports 8" max rake overhang.

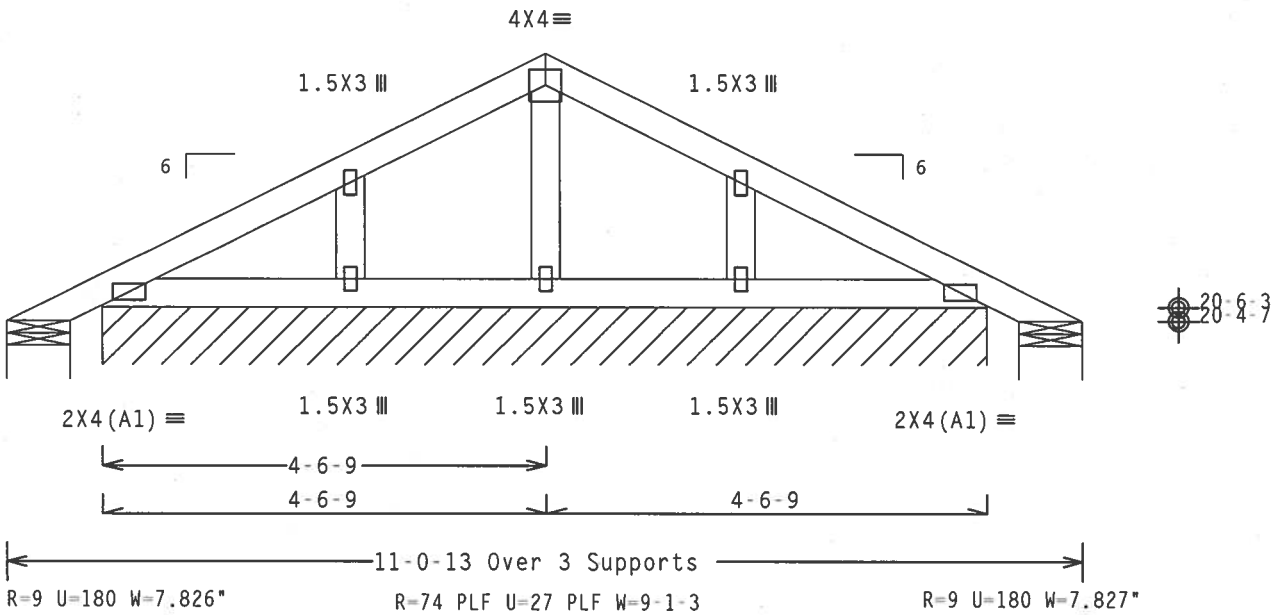
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 21.75 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

See DWGS A11030EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0 QTY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
The Certification Authorization

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ARTHUR R. FISHER LICENSE No. 39687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 07

TC LL	20.0 PSF	REF	R487-- 69551
TC DL	10.0 PSF	DATE	01/12/07
BC DL	2.0 PSF	DRW	HCUSR487 07012022
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	32.0 PSF	SEQN-	78395 REV
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

(6-427--BRYAN ZECHER JOHNS RES. -- , ** - P6)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11030EE1106 & GBLLETIN1106 for more requirements.

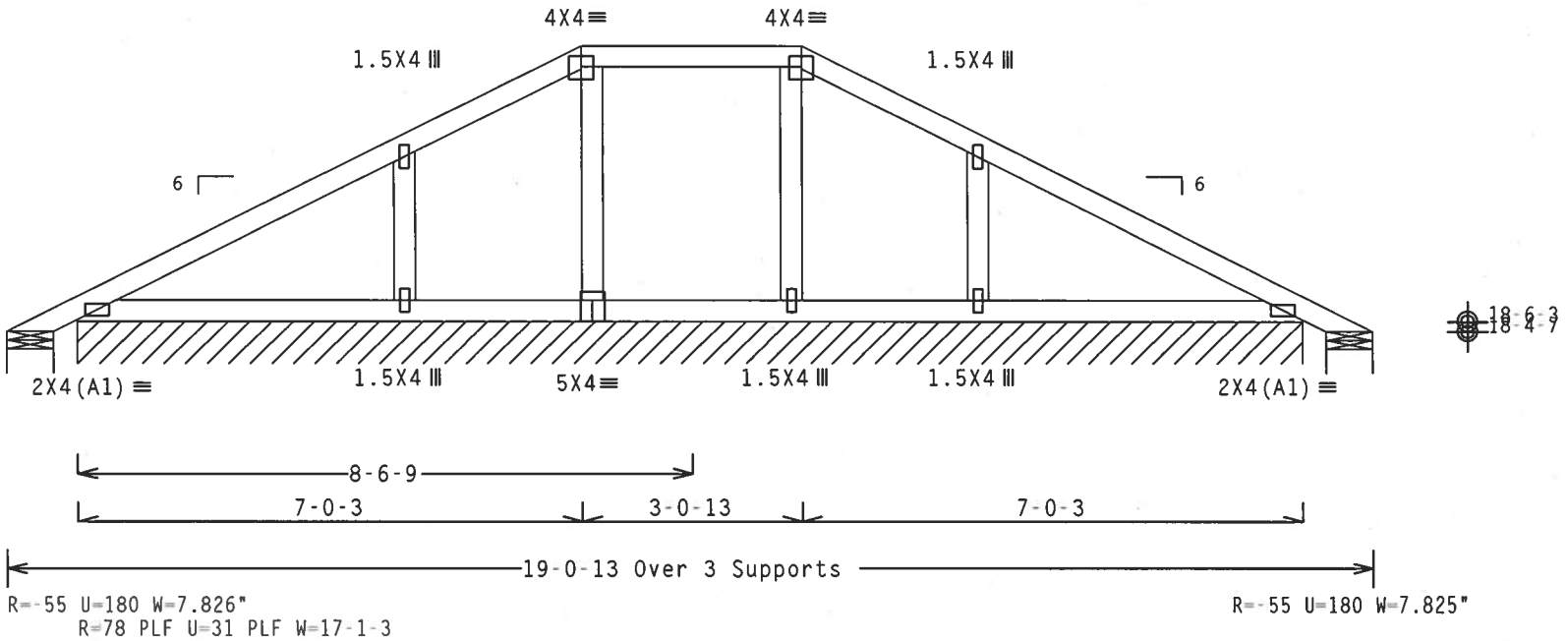
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 20.37 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0) 7.24.1 TY:1 FL/-/4/-/-/R/-

PLT TYP. Wave

Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jan 12 '07

TC LL	20.0 PSF	REF	R487-- 69552
TC DL	10.0 PSF	DATE	01/12/07
BC DL	2.0 PSF	DRW	HCUSR487 07012038
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	32.0 PSF	SEQN-	145056
DUR.FAC.	1.25	FROM	JFB
SPACING	24.0"	JREF-	1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Wind reactions based on MWFRS pressures.

See DWGS A11030EE1106 & GBLLETIN1106 for more requirements.

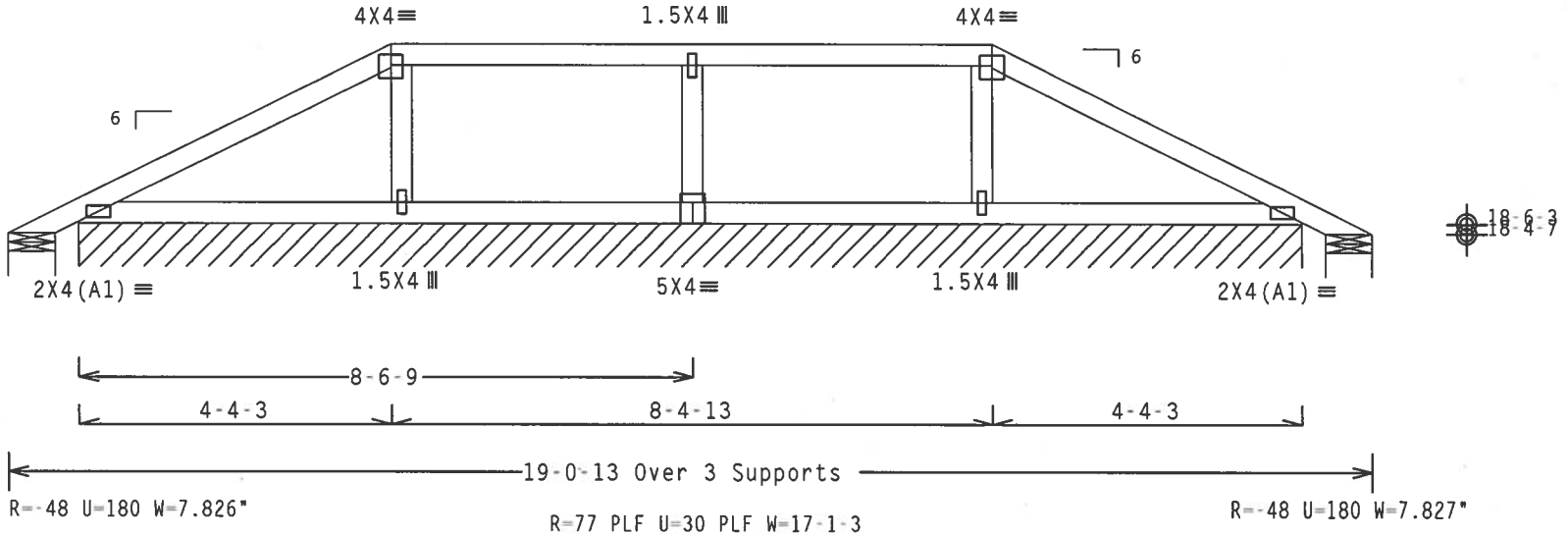
In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

110 mph wind, 19.70 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=1.2 psf.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.24.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization

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Jan 12 '07

TC LL	20.0 PSF	REF R487-- 69553
TC DL	10.0 PSF	DATE 01/12/07
BC DL	2.0 PSF	DRW HCUSR487 07012039
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 145061
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

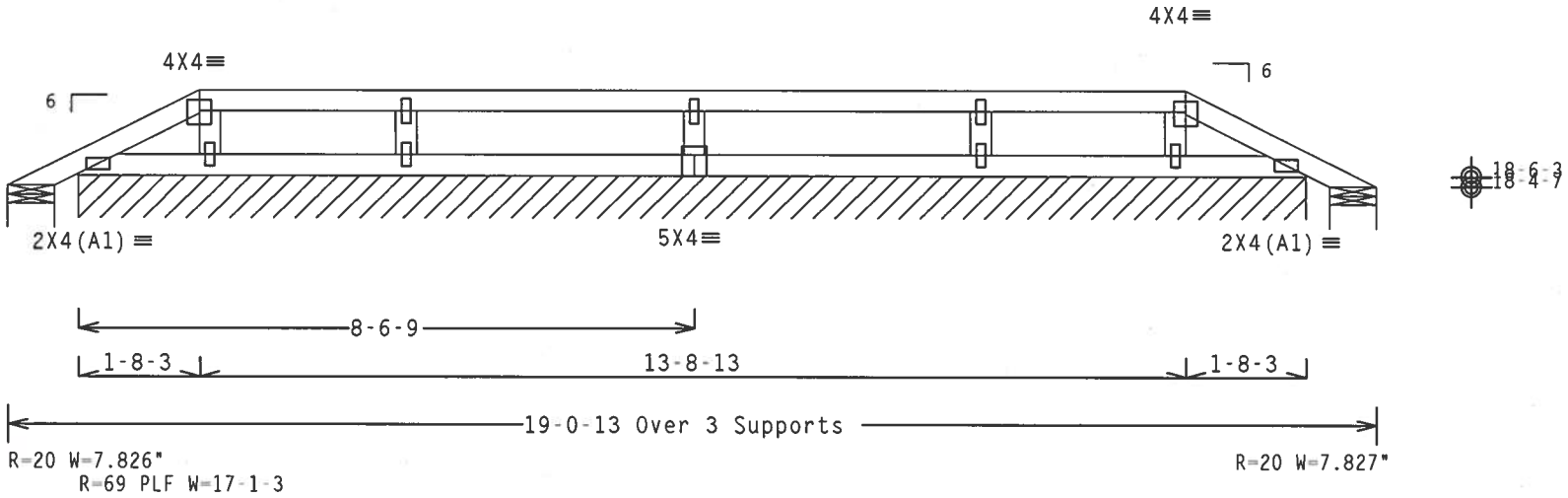
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 24" OC.

Refer to DWG PIGBACKA1106 or PIGBACKB1106 for piggyback details. PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.24.1 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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Ja 12 '07

TC LL	20.0 PSF	REF R487-- 69554
TC DL	10.0 PSF	DATE 01/12/07
BC DL	2.0 PSF	DRW HCUSR487 07012040
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	32.0 PSF	SEQN- 145065
DUR.FAC.	1.25	FROM JFB
SPACING	24.0"	JREF- 1T3Y487_Z01

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

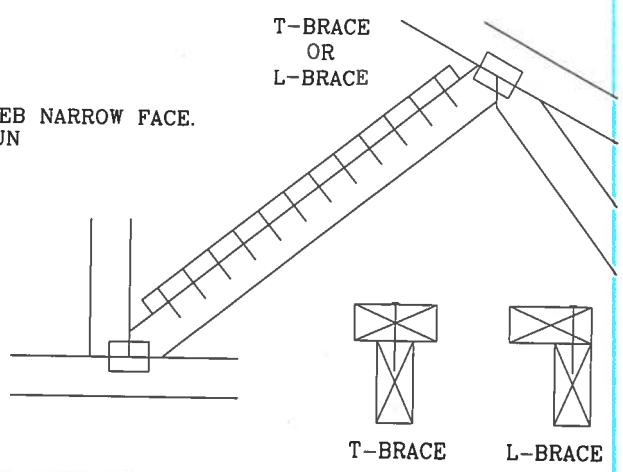
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

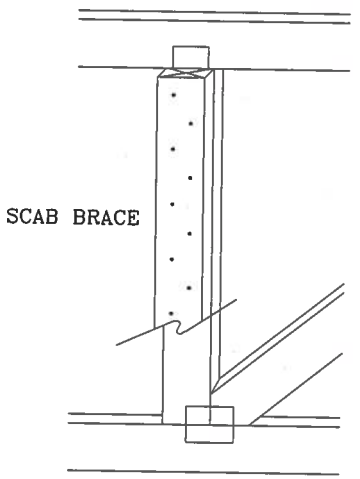
T-BRACING OR L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.
NO MORE THAN (1) SCAB PER FACE.
ATTACH WITH 10d BOX OR GUN (0.128"x 3.",MIN) NAILS.
AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER
LICENSE
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Jan

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	BRCLBSUB1106
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

BOTTOM CHORD FILLER DETAIL

* OPTIONAL INTERIOR OR CANTILEVER BEARING. MINIMUM PLATE SIZES (1X3 WAVE) MAY BE USED IF BEARING IS OMITTED. WEDGE OR VERTICAL MEMBER MUST COINCIDE WITH BEARING LOCATION.

0.120" X 1.375", NAILS, REQUIRED FOR TRULOX PLATE ATTACHMENT. NAILS SPECIFIED IN CIRCLES MUST BE APPLIED TO EACH FACE OF THE TRUSS. SEE DWG. 160TL FOR NAILING AND TRULOX PLATE REQUIREMENTS.

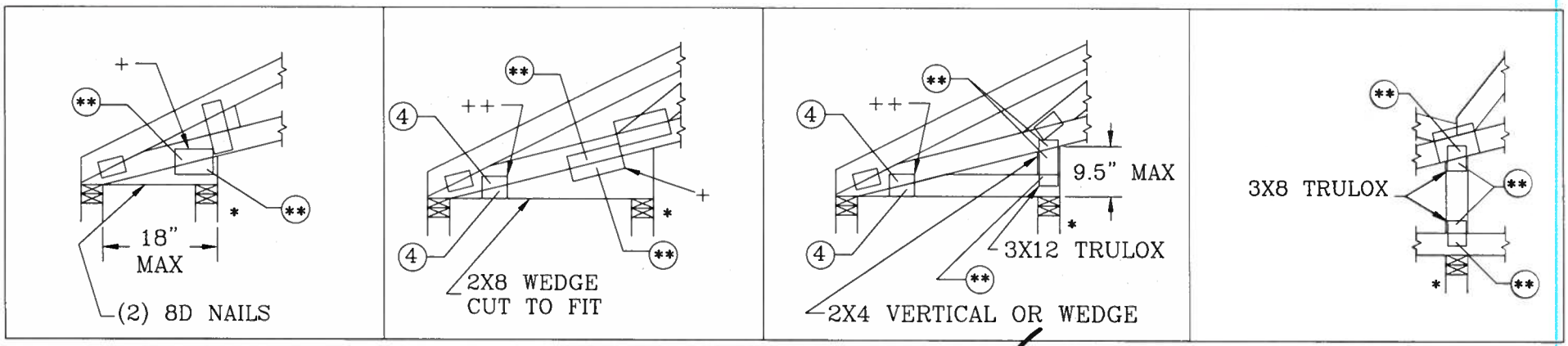
\+ 3X4 WAVE OR 4X8 TRULOX

++ 2X4 WAVE OR 3X6 TRULOX

REFER TO ENGINEER'S SEALED DESIGN REFERENCING THIS DETAIL FOR LUMBER, PLATES, AND OTHER INFORMATION NOT SHOWN.

ALL TRULOX PLATES SHOWN ARE MINIMUMS. LARGER PLATES MAY BE REQUIRED TO ACCOMODATE REQUIRED NAILS (**)

FILLER BOTTOM CHORD OR WEDGE SPECIES	MAXIMUM REACTION		MINIMUM	** REQUIRED NAILS PER FACE WITH TRULOX PLATES				
	DOWNWARD	UPLIFT	BEARING AREA	1.00 D.O.L.	1.15 D.O.L.	1.25 D.O.L.	1.33 D.O.L.	1.60 D.O.L.
DOUGLAS FIR-LARCH	3281#	1656#	1.5" X 3.5"	12	11	10	9	8
HEM-FIR	2126#	1095#	1.5" X 3.5"	9	8	7	7	6
SPRUCE-PINE-FIR	2231#	1192#	1.5" X 3.5"	10	9	8	8	6
SOUTHERN PINE DENSE	3465#	1791#	1.5" X 3.5"	12	11	10	9	8
SOUTHERN PINE	2966#	1492#	1.5" X 3.5"	10	9	8	8	7
SOUTHERN PINE NON-DENSE	2520#	1343#	1.5" X 3.5"	9	8	7	7	6



THIS DRAWING REPLACES DRAWINGS A115 A115/R & 884,132

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	—	PSF
TC DL	—	PSF
BC DL	10.0	PSF
BC LL	—	PSF
TOT. LD.	—	PSF
DUR. FAC. 1.0/1.15/1.25/1.33		
SPACING 24.0"		

REF	BC FILLER
DATE	11/1/06
DRWG	BCFILLER1106
-ENG	DLJ/KAR

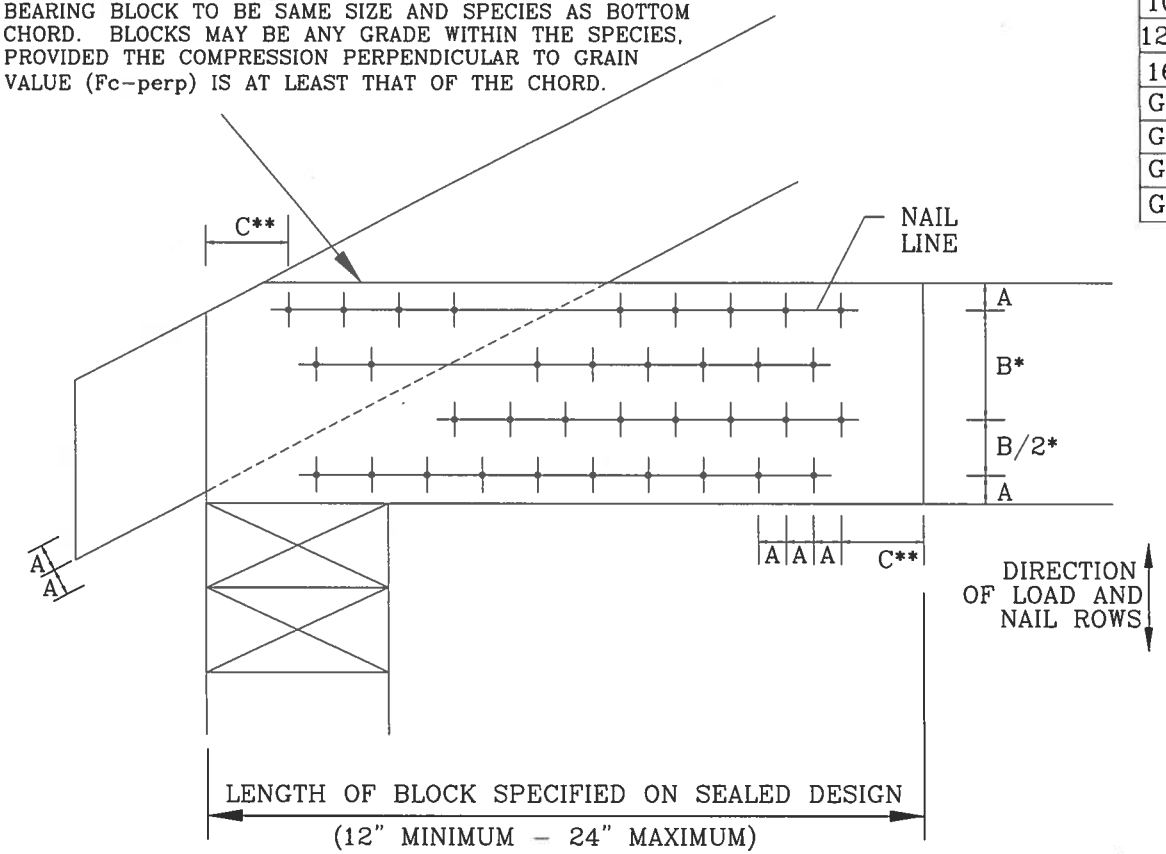
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

A – EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B – SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C – END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
- • SPACING MAY BE REDUCED BY 50%
- •• SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE 2X4	2X6	2X8	2X10	2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12	15
10d BOX (0.128"X 3.",MIN)	3	5	7	10	12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10	12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10	12
20d BOX (0.148"X 4.",MIN)	2	4	5	6	8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10	12
10d COMMON (0.148"X 3.",MIN)	2	4	6	8	10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8	10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8	10
GUN (0.120"X 2.5",MIN)	3	6	8	11	14
GUN (0.131"X 2.5",MIN)	3	5	7	10	12
GUN (0.120"X 3.",MIN)	3	6	8	11	14
GUN (0.131"X 3.",MIN)	3	5	7	10	12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3.",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4.",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3.",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3.",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3.",MIN)	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

REF	BEARING BLOCK
DATE	11/1/06
DRWG	CNBRGBLK1106
-ENG	SJP/KAR

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

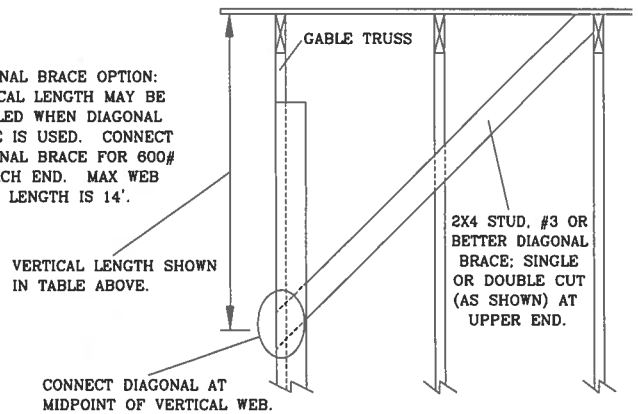
GROUP B:

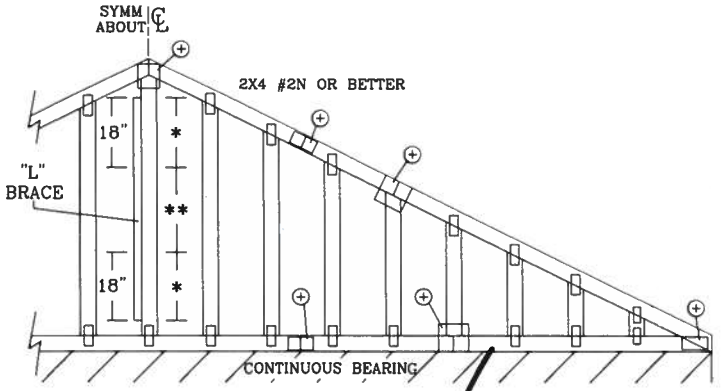
HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

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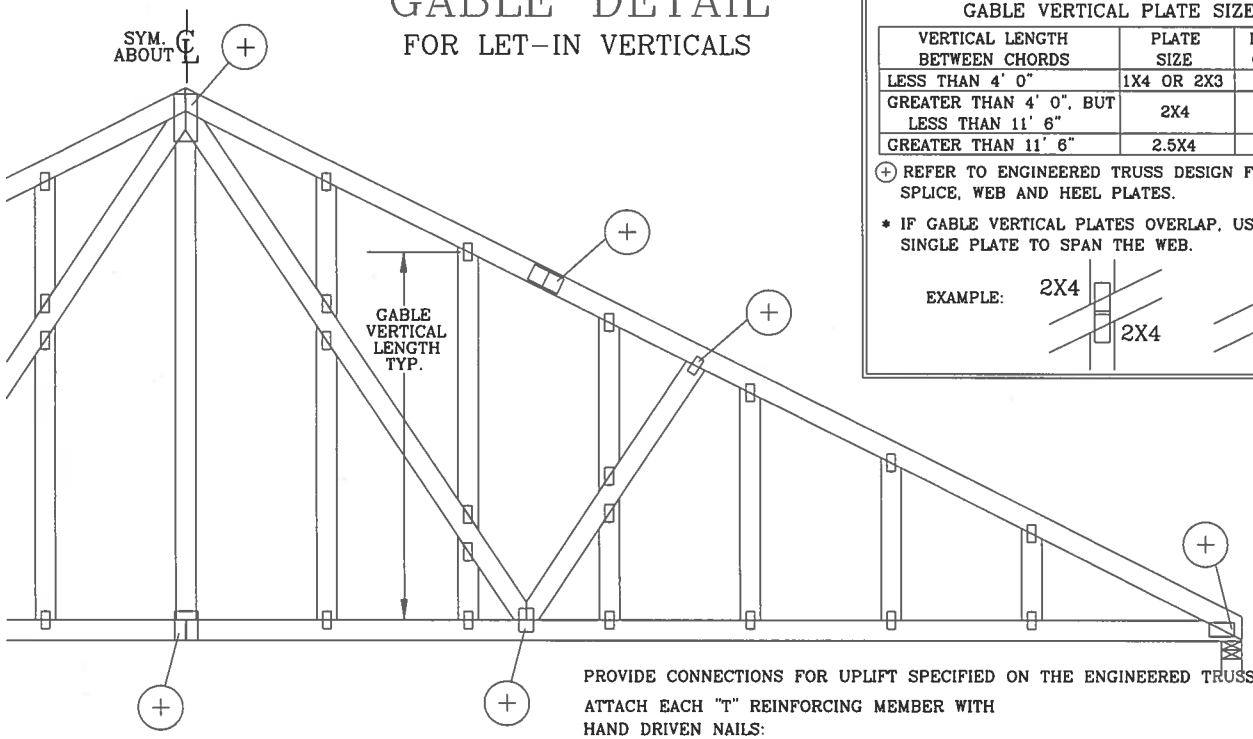
ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11015
DATE	11/1/06
DRWG	A11015EE1106
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

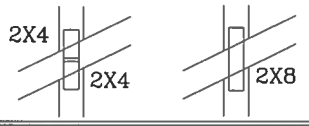


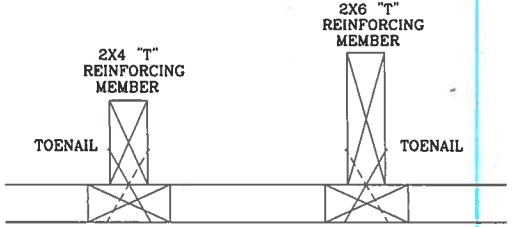
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





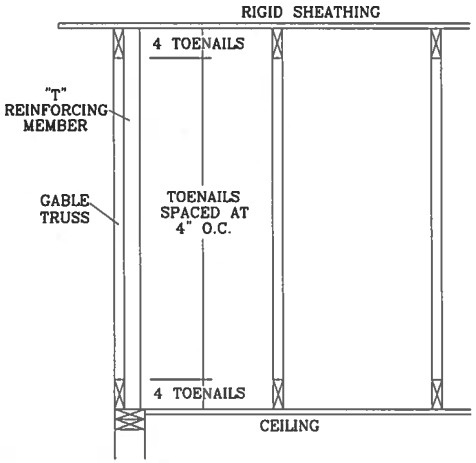
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON (0.148"X 3.",MIN) TOENAILS AT 4" O.C. PLUS
(4) 16d COMMON (0.162" X 3.5",MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:
8d COMMON (0.131"X 2.5",MIN) TOENAILS AT 4" O.C. PLUS
(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
ASCE 7-02 GABLE DETAIL DRAWINGS
A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405,
A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	11/1/06
DRWG	GBLLETIN1106
-ENG	DLJ/KAR

PIGGYBACK DETAIL

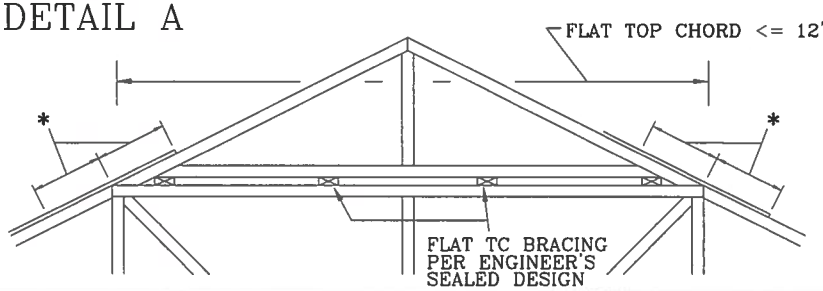
100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

80 MPH WIND, 30.00 FT MEAN HGT, SBC, ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

100 MPH WIND, 30.00 FT MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5.0 PSF, WIND BC DL=5.0 PSF.

NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATLY BRACED BY SHEATHING OR PURLINS. PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

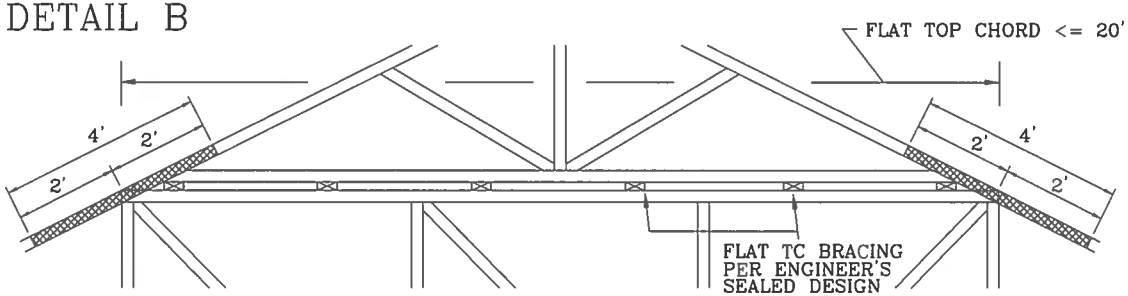
DETAIL A



PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"x3") NAILS.

* 12" MIN RIGID SHEATHING OVERLAP WITH 8d COMMON (0.131"x2.5") OR GUN NAILS IN OVERLAP ZONE SPACED AT 4" O.C.

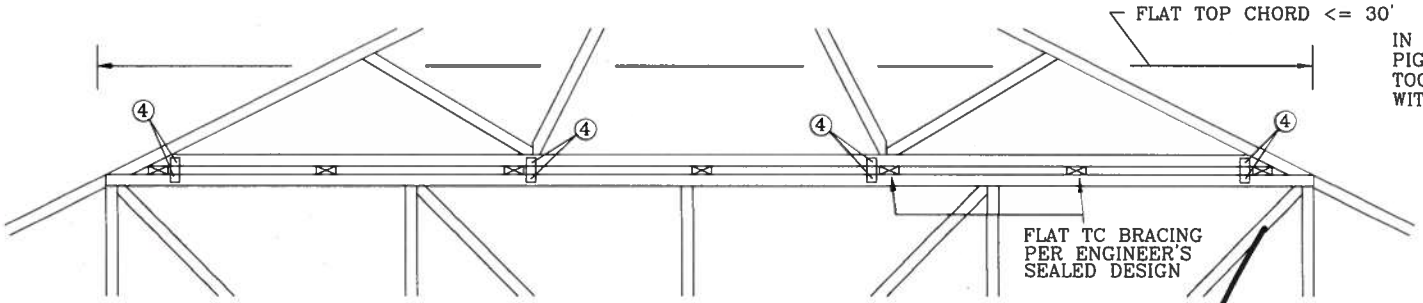
DETAIL B



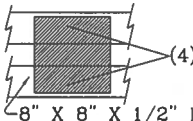
PIGGYBACK CAP TRUSS TOENAILED TO ALL TOP CHORD BRACING WITH (2) 10d COMMON (0.148"X3") NAILS AND SECURED WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) ATTACHED WITH 10d COMMON NAILS AT 4" O.C.

DETAIL C

CAP TRUSS TOENAILED TO TOP CHORD BRACING AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 1/3 POINTS. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



IN LIEU OF TRULOX CONNECTORS, ALPINE 62PB SPECIAL PIGGYBACK CONNECTORS MAY BE USED. SHOP APPLY TOOTHED PORTION, FIELD ATTACH TO MATING TRUSS WITH (4) 0.120" X 0.375" NAILS MINIMUM EACH FACE.



8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 8d COMMON NAILS PER GUSSET, (4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

THIS DRAWING REPLACES DRAWINGS 581,670 & 961,860

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	PSF	REF	PIGGYBACK
TC DL	PSF	DATE	11/1/06
BC DL	PSF	DRWG	PIGBACKA1106
BC LL	PSF	-ENG	DLJ/KAR
TOT. LD.	MAX 60 PSF		
DUR. FAC.	1.15		
SPACING	24.0"		

PIGGYBACK DETAIL

TOP CHORD 2X4 #2 OR BETTER
BOT CHORD 2X4 #2 OR BETTER
WEBS 2X4 #3 OR BETTER

REFER TO SEALED DESIGN FOR DASHED PLATES.

SPACE PIGGYBACK VERTICALS AT 4' OC MAX.

TOP AND BOTTOM CHORD SPLICES MUST BE STAGGERED SO THAT ONE SPLICE IS NOT DIRECTLY OVER ANOTHER.

PIGGYBACK BOTTOM CHORD MAY BE OMITTED. ATTACH VERTICAL WEBS TO TRUSS TOP CHORD WITH 1.5X3 PLATE.

ATTACH PURLINS TO TOP OF FLAT TOP CHORD. IF PIGGYBACK IS SOLID LUMBER OR THE BOTTOM CHORD IS OMITTED, PURLINS MAY BE APPLIED BENEATH THE TOP CHORD OF SUPPORTING TRUSS.

REFER TO ENGINEER'S SEALED DESIGN FOR REQUIRED PURLIN SPACING.

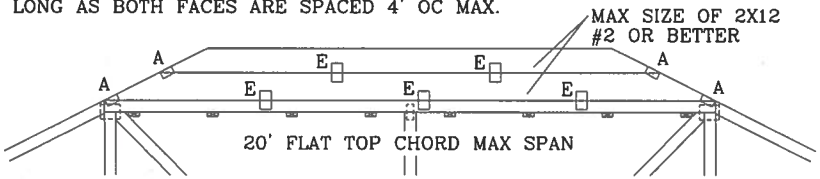
THIS DETAIL IS APPLICABLE FOR THE FOLLOWING WIND CONDITIONS:

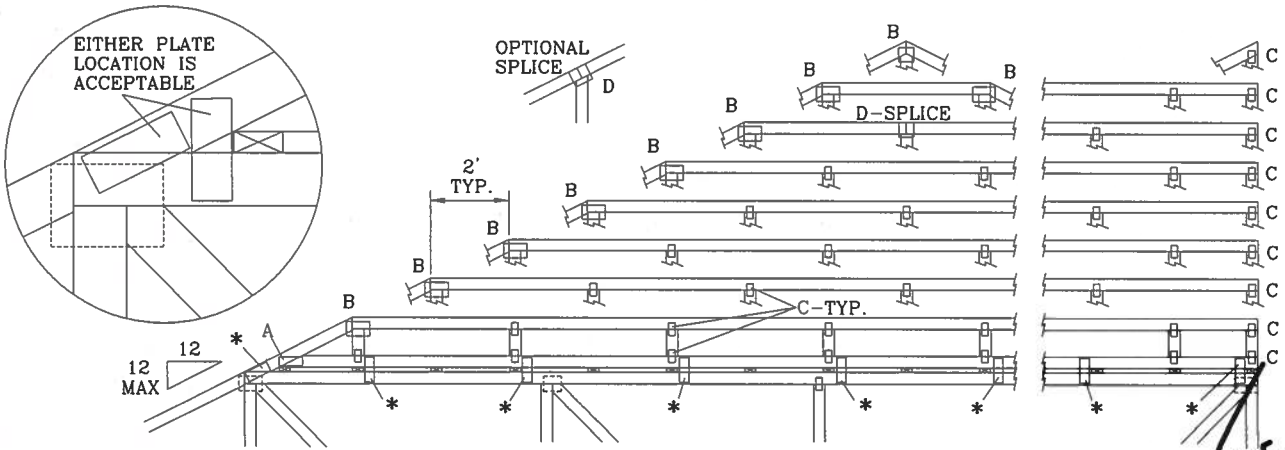
130 MPH WIND, 30' MEAN HGT, ASCE 7-02, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

110 MPH WIND, 30' MEAN HGT, SBC ENCLOSED BLDG, LOCATED ANYWHERE IN ROOF WIND TC DL=5 PSF, WIND BC DL=5 PSF

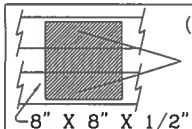
130 MPH WIND, 30' MEAN HGT, ASCE 7-98, CLOSED BLDG, LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, WIND TC DL=5 PSF, WIND BC DL=5 PSF

FRONT FACE (E,*) PLATES MAY BE OFFSET FROM BACK FACE PLATES AS LONG AS BOTH FACES ARE SPACED 4' OC MAX.





*ATTACH PIGGYBACK WITH 3X8 TRULOX OR ALPINE PIGGYBACK SPECIAL PLATE.



(4) 6d BOX (0.099"X 2.",MIN) NAILS.

8" X 8" X 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES, ATTACH WITH (8) 6d BOX (0.099"X 2.",MIN) NAILS PER GUSSET.

(4) IN CAP BC AND (4) IN BASE TRUSS FLAT TC.

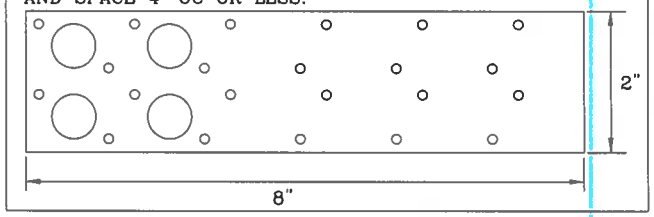
JOINT TYPE	SPANS UP TO			
	30'	34'	38'	52'
A	2X4	2.5X4	2.5X4	3X5
B	4X6	5X6	5X6	5X6
C	1.5X3	1.5X4	1.5X4	1.5X4
D	5X4	5X5	5X5	5X6
E	4X6 OR 3X6 TRULOX AT 4' OC, ROTATED VERTICALLY			

ATTACH TRULOX PLATES WITH (8) 0.120" X 1.375" NAILS, OR EQUAL, PER FACE PER PLY. (4) NAILS IN EACH MEMBER TO BE CONNECTED. REFER TO DRAWING 160 TL FOR TRULOX INFORMATION.

WEB BRACING CHART	
WEB LENGTH	REQUIRED BRACING
0' TO 7'9"	NO BRACING
7'9" TO 10'	1x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 8d BOX (0.113"X 2.5",MIN) NAILS AT 4" OC.
10' TO 14'	2x4 "T" BRACE. SAME GRADE, SPECIES AS WEB MEMBER, OR BETTER, AND 80% LENGTH OF WEB MEMBER. ATTACH WITH 16d BOX (0.135"X 3.5",MIN) NAILS AT 4" OC.

* PIGGYBACK SPECIAL PLATE

ATTACH TEETH TO THE PIGGYBACK AT THE TIME OF FABRICATION. ATTACH TO SUPPORTING TRUSS WITH (4) 0.120" X 1.375" NAILS PER FACE PER PLY. APPLY PIGGYBACK SPECIAL PLATE TO EACH TRUSS FACE AND SPACE 4' OC OR LESS.



THIS DRAWING REPLACES DRAWINGS 634,016 634,017 & 847,045

ALPINE

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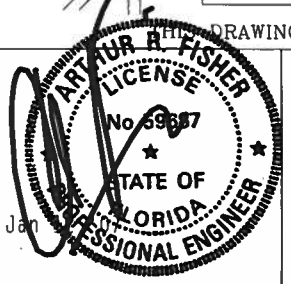


MAX LOADING
55 PSF AT 1.33 DUR. FAC.
50 PSF AT 1.25 DUR. FAC.
47 PSF AT 1.15 DUR. FAC.
SPACING 24.0"

REF	PIGGYBACK
DATE	11/1/06
DRWG	PIGBACKB1106
-ENG	DLJ/KAR

ASCE 7-02: 110 MPH WIND SPEED, 30' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 8"	6' 4"	6' 6"	7' 6"	7' 8"	8' 11"	9' 2"	11' 9"	12' 1"	14' 0"	14' 0"
		#3	3' 7"	5' 5"	5' 5"	7' 2"	7' 2"	8' 11"	8' 11"	11' 2"	11' 2"	14' 0"	14' 0"
		STUD	3' 7"	5' 5"	5' 5"	7' 1"	7' 1"	8' 11"	8' 11"	11' 1"	11' 1"	14' 0"	14' 0"
		STANDARD	3' 7"	4' 8"	4' 8"	6' 1"	6' 1"	8' 3"	8' 3"	9' 6"	9' 6"	12' 11"	12' 11"
	SP DFL	#1	4' 0"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#2	3' 11"	6' 4"	6' 10"	7' 6"	8' 1"	8' 11"	9' 7"	11' 9"	12' 8"	14' 0"	14' 0"
		#3	3' 9"	5' 7"	5' 7"	7' 4"	7' 4"	8' 11"	9' 5"	11' 5"	11' 5"	14' 0"	14' 0"
		STUD	3' 9"	5' 6"	5' 6"	7' 3"	7' 3"	8' 11"	9' 5"	11' 4"	11' 4"	14' 0"	14' 0"
		STANDARD	3' 8"	4' 9"	4' 9"	6' 3"	6' 3"	8' 5"	8' 5"	9' 9"	9' 9"	13' 3"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 2"	7' 3"	7' 5"	8' 7"	8' 10"	10' 3"	10' 6"	13' 5"	13' 10"	14' 0"	14' 0"
		#3	4' 1"	6' 8"	6' 8"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STUD	4' 1"	8' 0"	8' 0"	8' 7"	8' 7"	10' 3"	10' 3"	13' 5"	13' 5"	14' 0"	14' 0"
		STANDARD	4' 1"	5' 8"	5' 8"	7' 6"	7' 6"	10' 1"	10' 1"	11' 8"	11' 8"	14' 0"	14' 0"
	SP DFL	#1	4' 7"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#2	4' 6"	7' 3"	7' 9"	8' 7"	9' 3"	10' 3"	11' 0"	13' 5"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	6' 10"	6' 10"	8' 7"	9' 0"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	6' 9"	6' 9"	8' 7"	8' 11"	10' 3"	10' 9"	13' 5"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 2"	5' 10"	5' 10"	7' 8"	7' 8"	10' 3"	10' 4"	11' 11"	11' 11"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 7"	8' 0"	8' 2"	9' 5"	9' 8"	11' 3"	11' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 8"	7' 8"	9' 5"	9' 5"	11' 3"	11' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 6"	6' 7"	6' 7"	8' 8"	8' 8"	11' 3"	11' 3"	13' 6"	13' 6"	14' 0"	14' 0"
	SP DFL	#1	5' 1"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 11"	8' 0"	8' 7"	9' 5"	10' 2"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	7' 11"	7' 11"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	7' 9"	7' 9"	9' 5"	9' 11"	11' 3"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 7"	6' 9"	6' 9"	8' 10"	8' 10"	11' 3"	11' 7"	13' 10"	13' 10"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	
#1 / #2	STANDARD
#3	STUD

HEM-FIR	
#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH
#3
STUD
STANDARD

SOUTHERN PINE
#3
STUD
STANDARD

GROUP B:

HEM-FIR
#1 & BTR
#1

SOUTHERN PINE
#1
#2

DOUGLAS FIR-LARCH
#1
#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

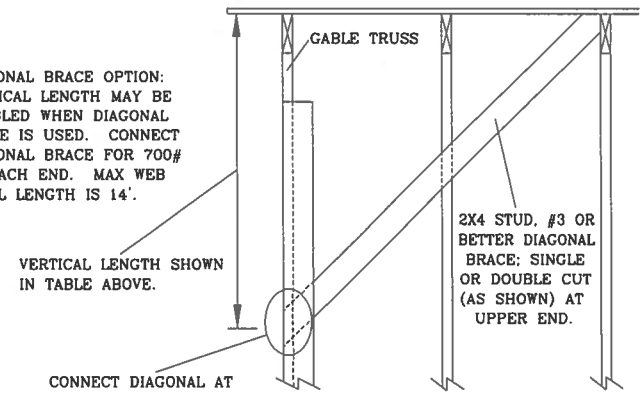
PROVIDE UPLIFT CONNECTIONS FOR 100 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

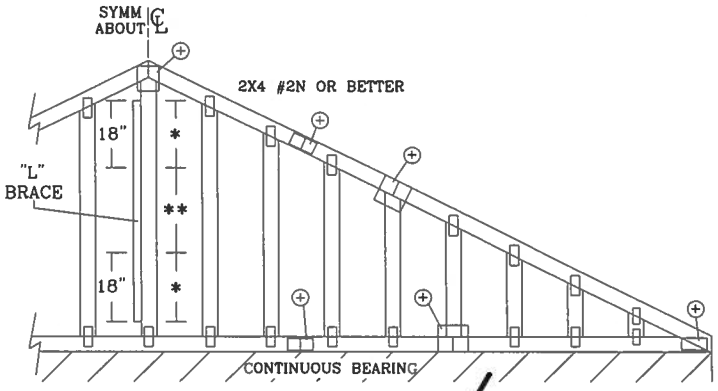
GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 700# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

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MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-02-GAB11030
DATE	11/1/06
DRWG	A11030EE1106
-ENG	